

**Facility Profile Report**  
**Facility Name: BASF Corporation**  
**ID: 0247040195**

**Facility : 0247040195**

Nov 17 2016, 10:20:49

**- Facility Information**

Facility ID: 0247040195

FacilityName: BASF Corporation

Facility Description: Manufacturer of Industrial Inorganic Catalysts

Address1: 120 PINE STREET

Address2:

City: Elyria

State: Ohio

Zip Code: 44035

Portable:

Operating Status: Operating

Permitting Classification: TV

PER Due Date: None

Transitional Status: None

Title V Permit Status: Extended

Title V Certification Report Due Date: April 30

Emissions Reporting Category for TV  
2015:

Status: Submitted

Anticipated Emissions Reporting TV  
Category for 2016:

Core Place ID: 26219

Latitude: 41.370834

Longitude: -82.10167

**- Yearly Emissions Reporting Category**

Year	Category	Enabled	Status
2016	TV		Report Required
2015	TV	X	Submitted
2014	TV	X	Submitted
2013	TV	X	Submitted
2012	TV	X	Submitted
2011	TV	X	Submitted
2010	TV	X	Submitted
2009	TV	X	Submitted
2008	TV	X	Submitted
2007	TV	X	Submitted
2006	TV	X	Submitted
2005	TV	X	Submitted
2004	TV	X	Submitted
2003	TV	X	Submitted
2002	TV	X	Submitted
2001	TV	X	Submitted
2000	TV	X	Submitted
1999	TV	X	Submitted
1998	TV	X	Submitted
1997	TV	X	Submitted



- **SIC Codes**

2819 Industrial Inorganic Chemicals, Nec

- **NAICS Codes**

325188 All Other Basic Inorganic Chemical Manufacturing

- **Contacts**

Contact Type	Contact Person	Phone Number	Email	Start Date	End Date
Billing	Anglin, Timothy	(440) 329-6644	tim.anglin@basf.com	06/06/2013	
Primary	Anglin, Timothy	(440) 329-6644	tim.anglin@basf.com	06/06/2013	
On Site	Anglin, Timothy	(440) 329-6644	tim.anglin@basf.com	06/16/2008	
Responsible Official	Zavodnik, Leon	(440) 329-2592	leon.zavodnik@basf.com	04/30/2010	
Operator	BASF Corporation	(973) 245-6000		04/30/2010	
Owner	BASF Corporation	(973) 245-6000		04/30/2008	
Primary	Mirth, Richard M.	(814) 870-3023	rik.mirth@basf.com	06/16/2008	06/05/2013
Billing	Mirth, Richard M.	(814) 870-3023	rik.mirth@basf.com	06/16/2008	06/05/2013
Operator	BASF Catalysts, LLC	(440) 322-3741		06/16/2008	04/29/2010

Contact Detail For : Anglin, Timothy

Prefix: Mr. First Name: Timothy  
Middle Name: Last Name: Anglin  
Suffix:  
Company Title: EHS Specialist Operating Company Name: BASF Corporation  
Address 1: 120 PINE STREET  
Address 2:  
City: Elyria Zip Code: 44035  
State: Ohio  
Work Phone No: (440) 329-6644 Secondary Phone No.:  
Address 2: Secondary Ext. No.:  
Mobile Phone No.: (216) 702-5479 Pager No.:  
Fax No: Pager PIN No.:  
Email: tim.anglin@basf.com  
Email Pager Address:

Contact Detail For : Zavodnik, Leon

Prefix: Mr. First Name: Leon  
Middle Name: Last Name: Zavodnik  
Suffix:  
Company Title: Site Manager Operating Company Name: BASF Corporation

Address 1: 120 PINE STREET  
Address 2:  
City: ELYRIA  
State: Ohio  
Zip Code: 44035  
Work Phone No: (440) 329-2592  
Address 2:  
Mobile Phone No.: (440) 323-2430  
Fax No:  
Email: leon.zavodnik@basf.com  
Email Pager Address:

Secondary Phone No.:  
Secondary Ext. No.:  
Pager No.:  
Pager PIN No.:

Contact Detail For : BASF Corporation

Prefix:  
Middle Name:  
Suffix:  
Company Title:  
Address 1: North America Regional Headquarter  
Address 2: 100 Campus Drive  
City: Florham Park  
State: New Jersey  
Work Phone No: (973) 245-6000  
Address 2:  
Mobile Phone No.:  
Fax No:  
Email:  
Email Pager Address:

First Name:  
Last Name:  
Operating Company Name: BASF Corporation  
Zip Code: 07932  
Secondary Phone No.:  
Secondary Ext. No.:  
Pager No.:  
Pager PIN No.:

Contact Detail For : Mirth, Richard M.

Prefix: Mr.  
Middle Name: M.  
Suffix:  
Company Title: EHS Specialist  
Address 1: 1729 East Ave.  
Address 2:  
City: Erie  
State: Pennsylvania  
Work Phone No: (814) 870-3023  
Address 2:  
Mobile Phone No.: (814) 323-6644  
Fax No:  
Email: rik.mirth@basf.com  
Email Pager Address:

First Name: Richard  
Last Name: Mirth  
Operating Company Name: BASF Corporation  
Zip Code: 44035  
Secondary Phone No.:  
Secondary Ext. No.:  
Pager No.:  
Pager PIN No.:

Contact Detail For : BASF Catalysts, LLC

Prefix:	First Name:
Middle Name:	Last Name:
Suffix:	
Company Title:	Operating Company Name: BASF Catalysts, LLC
Address 1: 120 PINE STREET	
Address 2:	
City: Elyria	Zip Code: 44035
State: Ohio	
Work Phone No: (440) 322-3741	Secondary Phone No.:
Address 2:	Secondary Ext. No.:
Mobile Phone No.:	Pager No.:
Fax No:	Pager PIN No.:
Email:	
Email Pager Address:	

## Emission Unit : B005

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: B005

DAPC Description:

Company Equipment ID: BOILER #1 (E-79)

Company Description: BOILER #1 (E-79)

Operating Status: Permanently Shutdown

Shutdown Date: 09/01/1998

Shutdown Notification Date: 04/14/2009

Completion of Initial Installation Date: 06/01/1978

Begin Installation/Modification Date: 06/01/1978

Commence Operation After Installation or Latest Modification Date: 06/01/1978

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: B005-0

Company Process Description:

Source Classification Code (SCC): 1-02-006-02

Egress points(s) directly associated with this process

B005-A

## Emission Unit : B006

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: B006

DAPC Description:

Company Equipment ID: #2 BOILER (E-91)

Company Description: #2 BOILER (E-91)

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/1990

Shutdown Notification Date: 04/14/2009

Completion of Initial Installation Date: 06/01/1986

Begin Installation/Modification Date: 06/01/1986

Commence Operation After Installation or Latest Modification Date: 06/01/1986

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: B006-1

Company Process Description:

Source Classification Code (SCC): 1-02-004-01

#### - Emission Process Information

Process ID: B006-2

Company Process Description:

Source Classification Code (SCC): 1-02-006-02

#### - Emission Process Information

Process ID: B006-3-TEMP

Company Process Description:

Source Classification Code (SCC):

Egress points(s) directly associated with this process

B006-A

## Emission Unit : B007

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: B007

DAPC Description: 8.6 mmBtu/hr natural gas-fired Kewanee boiler no. 1

Company Equipment ID: B007 - Package Boiler

Company Description: One Kewanee boiler, rated at 8.6 MMBTU/hr.

\*\*This emission unit is being revised from four boilers in a single emission unit into four emission units, each for a single boiler.\*\*

Operating Status: Operating

Completion of Initial Installation Date: 08/01/1999

Begin Installation/Modification Date: 08/01/1999

Commence Operation After Installation or Latest Modification Date: 09/01/1999

Title V EU Classification: Insignificant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: B007-01-04

Company Process Description: 4-Kewanee boilers, rated at 8.6 MMBTU/hr each.

Source Classification Code (SCC): 1-02-006-03

Egress points(s) directly associated with this process

B006-A

## Emission Unit : B008

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: B008

DAPC Description: 8.6 mmBtu/hr natural gas-fired Kewanee boiler no. 2

Company Equipment ID: Package Boiler

Company Description: One Kewanee boiler, rated at 8.6 MMBTU/hr.

Operating Status: Operating

Completion of Initial Installation  
Date: 08/01/1999

Begin Installation/Modification Date: 08/01/1999

Commence Operation After  
Installation or Latest Modification  
Date: 09/01/1999

Title V EU Classification: Insignificant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : B009

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: B009

DAPC Description: 8.6 mmBtu/hr natural gas-fired Kewanee boiler no. 3

Company Equipment ID: Package Boiler

Company Description: One Kewanee boiler, rated at 8.6 MMBTU/hr.

Operating Status: Operating

Completion of Initial Installation  
Date: 08/01/1999

Begin Installation/Modification Date: 08/01/1999

Commence Operation After  
Installation or Latest Modification  
Date: 09/01/1999

Title V EU Classification: Insignificant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes



## Emission Unit : B010

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: B010

DAPC Description: 8.6 mmBtu/hr natural gas-fired Kewanee boiler no. 4

Company Equipment ID: Package Boiler

Company Description: One Kewanee boiler, rated at 8.6 MMBTU/hr.

Operating Status: Operating

Completion of Initial Installation Date: 08/01/1999

Begin Installation/Modification Date: 08/01/1999

Commence Operation After Installation or Latest Modification Date: 09/01/1999

Title V EU Classification: Insignificant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P001

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P001

DAPC Description:

Company Equipment ID: COLOR TRAY DRYING (E-5)

Company Description: DRIERS #3,4,5,6,7,8 IN BLDG. 13A

Operating Status: Permanently Shutdown

Shurdown Date: 06/01/2000

Shutdown Notification Date: 05/07/2009

Completion of Initial Installation  
Date: 06/01/1954

Begin Installation/Modification Date: 06/01/1954

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1979

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P001-5

Company Process Description:

Source Classification Code (SCC): 3-01-035-53

## Emission Unit : P002

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P002

DAPC Description:

Company Equipment ID: CER COLOR BLENDING (E-6)

Company Description: WEIGHSCALE AND BLENDER IN BLDG. 10

Operating Status: Permanently Shutdown

Shurdown Date: 05/13/2011

Shutdown Notification Date: 05/23/2011

Completion of Initial Installation  
Date: 06/01/1967

Begin Installation/Modification Date: 06/01/1967

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1967

Title V EU Classification: Significant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P002-6

Company Process Description: Raw Weighing in Building #24

Source Classification Code (SCC): 3-01-035-99

Control equipment(s) directly associated with this process

P002

## Emission Unit : P003

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P003

DAPC Description:

Company Equipment ID: CER COLOR MILLING (E-7)

Company Description: MICROPULVASIZER IN BLDG. 10A

Operating Status: Permanently Shutdown

Shurdown Date: 01/01/2010

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation Date: 06/01/1957

Begin Installation/Modification Date: 06/01/1957

Commence Operation After Installation or Latest Modification Date: 06/01/1957

Title V EU Classification: Significant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P003-7

Company Process Description:

Source Classification Code (SCC): 3-01-035-52

Control equipment(s) directly associated with this process

P003

Egress points(s) directly associated with this process

P003-A

## Emission Unit : P004

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P004

DAPC Description:

Company Equipment ID: TUNNEL KILN #1 (E-8)

Company Description: THREE GASED FIRED TUNNEL KILNS IN BLDG. 10

Operating Status: Permanently Shutdown

Shurdown Date: 05/01/1990

Shutdown Notification Date: 05/01/1995

Completion of Initial Installation  
Date: 06/01/1938

Begin Installation/Modification Date: 06/01/1938

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1942

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P004-8

Company Process Description:

Source Classification Code (SCC): 3-01-999-99

Control equipment(s) directly associated with this process

P004

## Emission Unit : P005

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P005

DAPC Description:

Company Equipment ID: TUNNEL KILN #4 (E-9)

Company Description: #4 TUNNEL KILN IN BLDG. 10

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1957

Begin Installation/Modification Date: 06/01/1957

Commence Operation After Installation or Latest Modification Date: 06/01/1957

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P005-10-#4 Tun. Kiln

Company Process Description: #4 Tunnel Kiln

Source Classification Code (SCC): 3-05-092-04

Egress points(s) directly associated with this process

P005-C

P005-B

#### - Emission Process Information

Process ID: P005-9-Kiln Heater

Company Process Description: #4 Tunnel Kiln Heater

Source Classification Code (SCC): 3-05-900-03

Egress points(s) directly associated with this process

P005-D

#### - Emission Process Information

Process ID: P005-Material Hand.

Company Process Description: P005-Material Handling

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

P005-1

## Emission Unit : P006

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P006

DAPC Description: Copper Calciner #1

Company Equipment ID: COPPER CALCINER 1 (E-10)

Company Description: ROTARY COPPER CALCINER 1 IN BLDG. 26

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1959

Begin Installation/Modification Date: 06/01/1959

Commence Operation After Installation or Latest Modification Date: 06/01/1959

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P006 - Calciner Feed

Company Process Description: P006 - Copper Calciner #1 - Feed End

Source Classification Code (SCC): 3-05-150-01

Egress points(s) directly associated with this process

P006-Feed

#### - Emission Process Information

Process ID: P006 - Calcining

Company Process Description: P006 - Copper Calciner #1 - Calcining

Source Classification Code (SCC): 3-05-150-02

Control equipment(s) directly associated with this process

P006-1

#### - Emission Process Information

Process ID: P006-Calciner-Disch.

Company Process Description: P006 - Copper Calciner #1 - Discharge End

Source Classification Code (SCC): 3-05-150-04

Egress points(s) directly associated with this process

P006-Product

- **Emission Process Information**

Process ID: P006-NG Comb.

Company Process Description: Copper Calciner #1 Building #26 - Natural Gas Combustion

Source Classification Code (SCC): 3-01-900-03

Egress points(s) directly associated with this process

P006-D

- **Emission Process Information**

Process ID: P006-Packaging

Company Process Description: Copper Calciner #1 - Product Packaging

Source Classification Code (SCC): 3-01-070-02

Control equipment(s) directly associated with this process

P006-2



## Emission Unit : P009

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P009

DAPC Description:

Company Equipment ID: ROTARY CALCINER #4 (E-13-1)

Company Description: GENERAL CATALYST CALCINER #4 IN BLDG. 16

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1955

Begin Installation/Modification Date: 06/01/1955

Commence Operation After Installation or Latest Modification Date: 06/01/1955

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P009-Calcination

Company Process Description: Rotary Calciner #4 Calcination

Source Classification Code (SCC): 3-05-150-02

Control equipment(s) directly associated with this process

P009-2/P080-3

CTO/SCR Coll

#### - Emission Process Information

Process ID: P009-Calciner Disch.

Company Process Description: Rotary Calciner #4 Discharge

Source Classification Code (SCC): 3-05-150-04

Control equipment(s) directly associated with this process

P009-3

#### - Emission Process Information

Process ID: P009-Calciner Feed

Company Process Description: Rotary Calciner #4 Feed

Source Classification Code (SCC): 3-05-150-01

Control equipment(s) directly associated with this process

P009-1

- **Emission Process Information**

Process ID: P009-Process Heater

Company Process Description: Rotary Calciner #4 Process Heater

Source Classification Code (SCC): 3-01-900-03

Egress points(s) directly associated with this process

P009C

## Emission Unit : P010

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P010

DAPC Description:

Company Equipment ID: ROTARY CALCINER #1 (E-14)

Company Description: GENERAL CATALYST CALCINERS # 1IN BLDG. 31

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P010-Calcination

Company Process Description: Rotary Calciner #1 Calcination

Source Classification Code (SCC): 3-05-150-02

Control equipment(s) directly associated with this process

P010-1 (F-1)

P009-2/P080-3

#### - Emission Process Information

Process ID: P010-Calciner Disch.

Company Process Description: Rotary Calciner #1 Discharge

Source Classification Code (SCC): 3-05-150-04

Control equipment(s) directly associated with this process

P010-1 (F-1)

#### - Emission Process Information

Process ID: P010-Calciner Feed

Company Process Description: Rotary Calciner #1 Feed

Source Classification Code (SCC): 3-05-150-01

Control equipment(s) directly associated with this process

P010-1 (F-1)

- **Emission Process Information**

Process ID: P010-Process Heater

Company Process Description: Rotary Calciner #1 Process Heater

Source Classification Code (SCC): 3-01-900-03

Egress points(s) directly associated with this process

P010

## Emission Unit : P014

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P014

DAPC Description:

Company Equipment ID: COLOR MILL AND BLEND (E-18)

Company Description: 2 DH MICROMILL AND P-K BLENDER IN BLDG. 10

Operating Status: Permanently Shutdown

Shutdown Date: 05/01/1990

Shutdown Notification Date: 05/01/1990

Completion of Initial Installation  
Date: 06/01/1967

Begin Installation/Modification Date: 06/01/1967

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1967

Title V EU Classification: Not Applicable

Exemption Status: NA

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P017

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P017

DAPC Description:

Company Equipment ID: COPPER ALUMINA BLENDING (E-21)

Company Description: BLENDING ON MEZZANINE IN BLDG. 10

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/1985

Shutdown Notification Date: 05/15/2007

Completion of Initial Installation  
Date: 06/01/1961

Begin Installation/Modification Date: 06/01/1961

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1961

Title V EU Classification: Not Applicable

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P018

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P018

DAPC Description: HEHE

Company Equipment ID: COPPER/ALUMINA DRIER (E-22)

Company Description: WYSSMONT DRIER IN BLDG. 10

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1970

Begin Installation/Modification Date: 06/01/1970

Commence Operation After Installation or Latest Modification Date: 06/01/1970

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P018-20

Company Process Description:

Source Classification Code (SCC): 3-05-092-04

Control equipment(s) directly associated with this process

P018-1

#### - Emission Process Information

Process ID: P018-Mat'l Hand.

Company Process Description: P018 - Material Handling

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

P018-1

## Emission Unit : P019

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P019

DAPC Description:

Company Equipment ID: CU/CR CRUSH AND SCREEN (E-23)

Company Description: CU/CR CRUSH AND SCREEN (E-23)

Operating Status: Permanently Shutdown

Shutdown Date: 05/15/2000

Shutdown Notification Date: 05/15/2008

Completion of Initial Installation  
Date: 06/01/1961

Begin Installation/Modification Date: 06/01/1961

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1961

Title V EU Classification: Not Applicable

Exemption Status: NA

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes



## Emission Unit : P021

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P021

DAPC Description:

Company Equipment ID: COPPER OXIDE SYSTEM E-25

Company Description: JAW CRUSHER, PULVERIZER, CLASSIFIER

Operating Status: Permanently Shutdown

Shurdown Date: 05/19/1994

Shutdown Notification Date: 05/15/2007

Completion of Initial Installation  
Date:

Begin Installation/Modification Date:

Commence Operation After  
Installation or Latest Modification  
Date:

Title V EU Classification: Not Applicable

Exemption Status: NA

Boiler/Turbine/Generator Design Not Applicable  
Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P022

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P022

DAPC Description:

Company Equipment ID: CU/BI CALCINERS (E-26)

Company Description: CU/BI CALCINERS (E-26)

Operating Status: Permanently Shutdown

Shutdown Date: 04/01/2002

Shutdown Notification Date: 04/14/2009

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1982

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P022-21

Company Process Description:

Source Classification Code (SCC): 3-01-900-03

#### - Emission Process Information

Process ID: P022-22

Company Process Description:

Source Classification Code (SCC): 3-01-999-99

#### - Emission Process Information

Process ID: P022-23-TEMP

Company Process Description:

Source Classification Code (SCC):

Control equipment(s) directly associated with this process

P022-1

P022-2

Egress points(s) directly associated with this process

P022-A

## Emission Unit : P024

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P024

DAPC Description:

Company Equipment ID: GEN CAT REACTION TANKS (E-28)

Company Description: GEN CAT REACTION TANKS (E-28)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P024-24

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P024-3 - F-2

## Emission Unit : P025

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P025

DAPC Description:

Company Equipment ID: GEN CAT MIXERS (E-29)

Company Description: LITTLEFORD MIXERS B-3 AND B-4

Operating Status: Permanently Shutdown

Shurdown Date: 02/15/2010

Shutdown Notification Date: 09/15/2010

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Significant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P025-25

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P025-2

P025-1

P025

Egress points(s) directly associated with this process

P025-A

P025-B

## Emission Unit : P026

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P026

DAPC Description: Double cone blender B-1: material feed to a metal nitrates solution tank and bulk bag raw material feed to a hopper with a dust collector to control particulate emissions (PE); and mixing and drying of materials in a double cone blender with a steam fed jacket with a caustic, wet "Tri-Mer" scrubber to control nitrogen oxides emissions and PE or a venturi wet scrubber to control only PE.

Company Equipment ID: GEN CAT BLENDER (E-30)

Company Description: DOUBLE CONE BLENDERS #1

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Not Applicable Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: Blender Mat'l Load

Company Process Description: Dry material loading to Blender B-1

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

P024-1

#### - Emission Process Information

Process ID: Mixing and Drying

Company Process Description: Blender Mixing and Drying

Source Classification Code (SCC): 3-05-092-04

Control equipment(s) directly associated with this process

P024-3 - F-2

P009-2/P080-3

## Emission Unit : P027

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P027

DAPC Description:

Company Equipment ID: GEN CAT LITTLEFORD MIXER #1 (E-31)

Company Description: GEN CAT LITTLEFORD MIXER #1 (E-31)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P027-Gen Cat Mixer 1

Company Process Description: Gen Cat Mixer 1

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P027

## Emission Unit : P028

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P028

DAPC Description:

Company Equipment ID: GEN CAT EXTRUDER #1 (E-32)

Company Description: GEN CAT EXTRUDER #1 (E-32) (Bonnet extruder, which is controlled by the F-1 scrubber)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P028-28

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P010-1 (F-1)

## Emission Unit : P030

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P030

DAPC Description:

Company Equipment ID: CER COLOR BLEND AND MILL (E-34)

Company Description: MIKROPULVERIZER AND CININNATUS MIXER IN BLDG. 10A

Operating Status: Permanently Shutdown

Shurdown Date: 01/01/2011

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1972

Title V EU Classification: Significant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P030-29

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P030

Egress points(s) directly associated with this process

P030



## Emission Unit : P031

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P031

DAPC Description:

Company Equipment ID: CER COLOR BLEND, CRUSH, MILL (E-35)

Company Description: BLENDER #4; PULVERIZERS M-1 & M-2 IN BLDG. 10A

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1972

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P031-30

Company Process Description: P031-Blender #4 and Mills M-1 & M-2

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P031-M-2

P031-M-1

P031-Blender

## Emission Unit : P032

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P032

DAPC Description:

Company Equipment ID: CER COLOR DRY AND DUMP (E-36)

Company Description: DRIERS 1,2 IN BLDG. 13B

Operating Status: Permanently Shutdown

Shurdown Date: 01/01/2010

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation  
Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1972

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P033

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P033

DAPC Description:

Company Equipment ID: 17-C PULVERIZER & DUMPING HOOD E-37

Company Description: TRAY DUMPING & PULVERIZING (WITH COLLECTOR)

Operating Status: Permanently Shutdown

Shurdown Date: 05/15/2002

Shutdown Notification Date: 05/15/2007

Completion of Initial Installation  
Date:

Begin Installation/Modification Date:

Commence Operation After  
Installation or Latest Modification  
Date:

Title V EU Classification: Not Applicable

Exemption Status: NA

Boiler/Turbine/Generator Design Not Applicable  
Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P049

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P049

DAPC Description:

Company Equipment ID: HC-11 TANKS (E-53)

Company Description: CHECK TANKS 2,3,4,5,6,107,109,110

(Flex Kleen Dust Collector (58607718) for Tank 4 and associated unloading station;  
Heil Scrubber 734-SCR for Tanks 3,4,5,6,107; Unidentified (built by site) scrubber  
for tanks 2, 109, 110.)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1964

Begin Installation/Modification Date: 06/01/1964

Commence Operation After Installation or Latest Modification Date: 06/01/1976

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P050

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P050

DAPC Description:

Company Equipment ID: MISC TABLET MIX EQUIPT (E-54)

Company Description: GRANULATORS AND CRUSHER (generically, now referred to as mills) and other misc.  
processing equipment

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1970

Begin Installation/Modification Date: 06/01/1970

Commence Operation After 06/01/1980  
Installation or Latest Modification  
Date:

Title V EU Classification: Insignificant (no  
applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Not Applicable  
Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P050-31

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P050-A

## Emission Unit : P051

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P051

DAPC Description:

Company Equipment ID: MISC TABLET MIXING (E-55)

Company Description: J.H.DAY BLENDERS

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1964

Begin Installation/Modification Date: 06/01/1964

Commence Operation After Installation or Latest Modification Date: 06/01/1964

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P051-32

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P050-B

P050-C

## Emission Unit : P052

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P052

DAPC Description:

Company Equipment ID: SLUGGER LINE E-56

Company Description: TABLET MACHINES

Operating Status: Permanently Shutdown

Shurdown Date: 05/15/1995

Shutdown Notification Date: 05/16/2005

Completion of Initial Installation  
Date:

Begin Installation/Modification Date:

Commence Operation After  
Installation or Latest Modification  
Date:

Title V EU Classification: Not Applicable

Exemption Status: NA

Boiler/Turbine/Generator Design Not Applicable  
Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P053

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P053

DAPC Description:

Company Equipment ID: NICKEL TABLET SYSTEM (E-57)

Company Description: 2 DH MILL; RIBBON BLENDER; TABLET MACHINES

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/2007

Shutdown Notification Date: 09/15/2010

Completion of Initial Installation Date: 06/01/1961

Begin Installation/Modification Date: 06/01/1961

Commence Operation After Installation or Latest Modification Date: 06/01/1961

Title V EU Classification: Significant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P053-33

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P053-A

P053-B

Egress points(s) directly associated with this process

P053-B

P053-A



## Emission Unit : P054

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P054

DAPC Description:

Company Equipment ID: IRON ROOM TABLET (E-58)

Company Description: IRON ROOM TABLET (E-58)

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/2010

Shutdown Notification Date: 09/15/2014

Completion of Initial Installation Date: 06/01/1970

Begin Installation/Modification Date: 06/01/1970

Commence Operation After Installation or Latest Modification Date: 06/01/1970

Title V EU Classification: Insignificant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P054-34

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P054-A

P054-B

P054-C

Egress points(s) directly associated with this process

P054-A

P054-B

P054-C

## Emission Unit : P055

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P055

DAPC Description:

Company Equipment ID: ZINC TABLET MIX (E-59)

Company Description: ZINC TABLET MIX (E-59)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1962

Begin Installation/Modification Date: 06/01/1962

Commence Operation After Installation or Latest Modification Date: 06/01/1962

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P055-35

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P055-A

## Emission Unit : P056

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P056

DAPC Description:

Company Equipment ID: LUNCH ROOM TABLET (E-60)

Company Description: LUNCH ROOM TABLET (E-60)

Operating Status: Permanently Shutdown

Shurdown Date: 01/01/2010

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation Date: 06/01/1957

Begin Installation/Modification Date: 06/01/1957

Commence Operation After Installation or Latest Modification Date: 06/01/1957

Title V EU Classification: Insignificant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P056-36

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P056-A

Egress points(s) directly associated with this process

P056-A

## Emission Unit : P057

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P057

DAPC Description:

Company Equipment ID: TCP BLEND AND SLUGER (E-61)

Company Description: TCP BLEND AND SLUGER (E-61)

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/2001

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation  
Date: 06/01/1964

Begin Installation/Modification Date: 06/01/1964

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1964

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P058

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P058

DAPC Description:

Company Equipment ID: CER COLOR PULVERIZER (E-62)

Company Description: CER COLOR PULVERIZER (E-62)

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/2010

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation Date: 06/01/1971

Begin Installation/Modification Date: 06/01/1971

Commence Operation After Installation or Latest Modification Date: 06/01/1971

Title V EU Classification: Insignificant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P058-37

Company Process Description:

Source Classification Code (SCC): 3-01-035-52

Control equipment(s) directly associated with this process

P058-1

P058-2

Egress points(s) directly associated with this process

P058-A

## Emission Unit : P059

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P059

DAPC Description:

Company Equipment ID: COLOR JETMILL (E-94)

Company Description: COLOR JETMILL (E-94)

Operating Status: Permanently Shutdown

Shutdown Date: 05/20/2011

Shutdown Notification Date: 05/23/2011

Completion of Initial Installation  
Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1989

Title V EU Classification: Significant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P059-38

Company Process Description: Jet Milling

Source Classification Code (SCC): 3-01-035-52

Control equipment(s) directly associated with this process

P059-6

P059-3, 4, 5

P059-1, 2

## Emission Unit : P068

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P068

DAPC Description:

Company Equipment ID: WOLV DRY AND VERT CALC (E-75)

Company Description: Wolverine Dryer and Verticle Calciner

Operating Status: Permanently Shutdown

Shurdown Date: 01/02/2003

Shutdown Notification Date: 01/15/2003

Completion of Initial Installation Date: 06/01/1975

Begin Installation/Modification Date: 06/01/1975

Commence Operation After Installation or Latest Modification Date: 06/01/1975

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Not Applicable Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P068-39

Company Process Description:

Source Classification Code (SCC): 3-01-999-99

#### - Emission Process Information

Process ID: P068-40-TEMP

Company Process Description:

Source Classification Code (SCC):

Control equipment(s) directly associated with this process

P068-1

Egress points(s) directly associated with this process

P068-A

P068-B

## Emission Unit : P069

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P069

DAPC Description:

Company Equipment ID: P-K BLENDER #1 (E-76)

Company Description: #1 PK Blender (Copper on alumina) (Building 10)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1976

Begin Installation/Modification Date: 06/01/1976

Commence Operation After Installation or Latest Modification Date: 06/01/1976

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P069-41

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P069-1



## Emission Unit : P070

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P070

DAPC Description:

Company Equipment ID: CU/CR STRIKE (E-77)

Company Description: Copper Chromite Strike Tanks

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1972

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P070-42

Company Process Description:

Source Classification Code (SCC): 3-05-092-03

Control equipment(s) directly associated with this process

P070-Heil

P070-A

P070-1

## Emission Unit : P071

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P071

DAPC Description:

Company Equipment ID: CER COLOR DRIER #9 (E-83)

Company Description: STEAM DRIER WITH NO CONTROL EQUIPMENT

Operating Status: Permanently Shutdown

Shurdown Date: 01/01/2010

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation  
Date: 06/01/1981

Begin Installation/Modification Date: 06/01/1981

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1981

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P072

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P072

DAPC Description:

Company Equipment ID: SOLID WASTE SHREDDER (E-80)

Company Description:

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/2004

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation  
Date: 06/01/1980

Begin Installation/Modification Date: 06/01/1980

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1980

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P073

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P073

DAPC Description:

Company Equipment ID: GRANULATOR, BLENDER, PELLETIZER, SCREENER

Company Description: VANADIUM CATALYST EQUIPMENT (E-82)

Operating Status: Permanently Shutdown

Shurdown Date: 05/15/1995

Shutdown Notification Date: 05/15/2000

Completion of Initial Installation  
Date:

Begin Installation/Modification Date:

Commence Operation After  
Installation or Latest Modification  
Date:

Title V EU Classification: Not Applicable

Exemption Status: NA

Boiler/Turbine/Generator Design Not Applicable  
Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P074

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P074

DAPC Description:

Company Equipment ID: DIP TANK (E-81)

Company Description: CATALYST DIP TANK

Operating Status: Permanently Shutdown

Shutdown Date: 05/01/1990

Shutdown Notification Date: 05/01/1995

Completion of Initial Installation  
Date:

Begin Installation/Modification Date:

Commence Operation After  
Installation or Latest Modification  
Date:

Title V EU Classification: Not Applicable

Exemption Status: NA

Boiler/Turbine/Generator Design Not Applicable  
Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P077

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P077

DAPC Description:

Company Equipment ID: P&S DRIER IN HC-11 (E-84)

Company Description: P & S Dryer in HC-11

Operating Status: Permanently Shutdown

Shutdown Date: 12/14/2007

Shutdown Notification Date: 12/21/2007

Completion of Initial Installation  
Date: 06/01/1977

Begin Installation/Modification Date: 06/01/1977

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1977

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P079

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P079

DAPC Description:

Company Equipment ID: GEN CAT DRIER 4 (E-86)

Company Description: Rockwell Drier #4

Operating Status: Permanently Shutdown

Shurdown Date: 11/15/2014

Shutdown Notification Date: 04/10/2015

Completion of Initial Installation  
Date: 06/01/1981

Begin Installation/Modification Date: 06/01/1981

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1981

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P079-45

Company Process Description:

Source Classification Code (SCC): 3-01-999-99

## Emission Unit : P080

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P080

DAPC Description:

Company Equipment ID: ROTARY CALCINER #5 (E-13)

Company Description: MISCELLANEOUS CATALYSTS

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1963

Begin Installation/Modification Date: 06/01/1963

Commence Operation After Installation or Latest Modification Date: 06/01/1963

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P080-Calcination

Company Process Description: Rotary Calciner #5 Calcination

Source Classification Code (SCC): 3-05-150-02

Control equipment(s) directly associated with this process

P080-2

P009-2/P080-3

#### - Emission Process Information

Process ID: P080-Calciner Disch.

Company Process Description: Rotary Calciner #5 Discharge

Source Classification Code (SCC): 3-05-150-04

Control equipment(s) directly associated with this process

P080-2

#### - Emission Process Information

Process ID: P080-Calciner Feed

Company Process Description: Rotary Calciner #5 Feed

Source Classification Code (SCC): 3-05-150-01

Control equipment(s) directly associated with this process

P080-1



- **Emission Process Information**

Process ID: P080-Process Heater

Company Process Description: Rotary Calciner #5 Process Heater

Source Classification Code (SCC): 3-01-900-03

Egress points(s) directly associated with this process

P080

## Emission Unit : P081

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P081

DAPC Description:

Company Equipment ID: GEN CAT NITRIC DILUTION (E-87)

Company Description: Nitric Acid Dilution

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P081

Company Process Description: P081-Nitric Acid Dilution

Source Classification Code (SCC): 3-01-013-99

Control equipment(s) directly associated with this process

P024-3 - F-2

## Emission Unit : P082

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P082

DAPC Description:

Company Equipment ID: ZR SINTER FURNACE (E-89)

Company Description: Harrop Kiln

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1986

Begin Installation/Modification Date: 06/01/1986

Commence Operation After Installation or Latest Modification Date: 06/01/1986

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P082-49-Screener

Company Process Description: Harrop Kiln Screener

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

P082-1

#### - Emission Process Information

Process ID: P082-Heater

Company Process Description: Harrop Kiln - Heater

Source Classification Code (SCC): 3-05-900-03

Egress points(s) directly associated with this process

P082-D

P082-A

P082-B

P082-C

#### - Emission Process Information

Process ID: P082-Kiln

Company Process Description: Harrop Kiln

Source Classification Code (SCC): 3-05-092-04

## Emission Unit : P083

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P083

DAPC Description:

Company Equipment ID: SHUTTLE KILN #1 (E-88)

Company Description: Shuttle kiln #1

Operating Status: Permanently Shutdown

Shutdown Date: 05/13/2011

Shutdown Notification Date: 05/23/2011

Completion of Initial Installation Date: 06/01/1985

Begin Installation/Modification Date: 06/01/1985

Commence Operation After Installation or Latest Modification Date: 06/01/1985

Title V EU Classification: Significant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P083-50

Company Process Description:

Source Classification Code (SCC): 3-01-999-99

#### - Emission Process Information

Process ID: P083-51

Company Process Description:

Source Classification Code (SCC): 3-01-035-53

Control equipment(s) directly associated with this process

P083-1

P083-2

P083-A/P089-A

P083-B/P089-B

Egress points(s) directly associated with this process

P083-A

P083-B

P083-C

## Emission Unit : P084

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P084

DAPC Description:

Company Equipment ID: WWTP (E-93)

Company Description: Waste Water Treatment Plant

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1988

Begin Installation/Modification Date: 06/01/1988

Commence Operation After Installation or Latest Modification Date: 06/01/1988

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P084 - WWTP

Company Process Description: P084 - WWTP

Source Classification Code (SCC): 3-01-820-02

Control equipment(s) directly associated with this process

P084-2

P084-1

Egress points(s) directly associated with this process

P084-C

## Emission Unit : P085

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P085

DAPC Description:

Company Equipment ID: 12" ROTARY CALCINER (E-95)

Company Description:

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/2000

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation  
Date: 06/01/1991

Begin Installation/Modification Date: 06/01/1991

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1991

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P086

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P086

DAPC Description:

Company Equipment ID: GEN CAT P&S 1

Company Description: General Catalyst Drier - Line 1

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1972

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P086-Drying

Company Process Description: P086-Drying

Source Classification Code (SCC): 3-05-092-04

Egress points(s) directly associated with this process

P086-1

#### - Emission Process Information

Process ID: P086-Mat'l Hand.

Company Process Description: P086-Mat'l Handling

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

P027

#### - Emission Process Information

Process ID: P086-Nat. Gas Comb.

Company Process Description: P086-Nat. Gas Comb.

Source Classification Code (SCC): 3-01-900-03

Egress points(s) directly associated with this process

P086-1

## Emission Unit : P087

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P087

DAPC Description:

Company Equipment ID: No. 7 Building - Nauta Blender

Company Description: No. 7 Building - Nauta Blender; E-65

Operating Status: Permanently Shutdown

Shutdown Date: 08/01/2015

Shutdown Notification Date: 10/21/2015

Completion of Initial Installation  
Date: 01/01/1985

Begin Installation/Modification Date: 01/01/1985

Commence Operation After  
Installation or Latest Modification  
Date: 01/01/1985

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P087-Nauta Blender

Company Process Description: P087 - Nauta Blender

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P087



## Emission Unit : P088

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P088

DAPC Description:

Company Equipment ID: FAST FIRE KILN (E-90)

Company Description:

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/2006

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation  
Date: 06/01/1987

Begin Installation/Modification Date: 06/01/1987

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1987

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P088-53

Company Process Description:

Source Classification Code (SCC): 3-01-999-99

## Emission Unit : P089

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P089

DAPC Description:

Company Equipment ID: #2 SHUTTLE KILN (E-92)

Company Description: #2 Shuttle Kiln

Operating Status: Permanently Shutdown

Shutdown Date: 05/13/2011

Shutdown Notification Date: 05/23/2011

Completion of Initial Installation Date: 06/01/1987

Begin Installation/Modification Date: 06/01/1987

Commence Operation After Installation or Latest Modification Date: 06/01/1987

Title V EU Classification: Insignificant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P089-54

Company Process Description:

Source Classification Code (SCC): 3-01-035-52

#### - Emission Process Information

Process ID: P089-55

Company Process Description:

Source Classification Code (SCC): 3-01-035-53

Control equipment(s) directly associated with this process

P083-A/P089-A

P089-1

P083-B/P089-B

Egress points(s) directly associated with this process

P089-B

P089-C

P089-A

## Emission Unit : P091

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P091

DAPC Description:

Company Equipment ID: ELEVATOR KILNS

Company Description:

Operating Status: Permanently Shutdown

Shutdown Date: 05/31/2011

Shutdown Notification Date: 05/23/2011

Completion of Initial Installation Date: 06/01/1939

Begin Installation/Modification Date: 06/01/1939

Commence Operation After Installation or Latest Modification Date: 06/01/1939

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P091-57

Company Process Description:

Source Classification Code (SCC): 3-01-900-03

#### - Emission Process Information

Process ID: P091-58

Company Process Description:

Source Classification Code (SCC): 3-01-999-99

## Emission Unit : P092

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P092

DAPC Description: 3.17 mmBtu/hr. indirect gas-fired rotary calciner no. 6 for mineral catalyst intermediate products in bldg. 27: a calciner with a wet scrubber to control particulate emissions (PE) or a fabric filter/HEPA filter to control PE vented to a selective catalytic reduction system to control nitrogen oxides emissions; product handling with a wet scrubber to control PE; and product packaging with a fabric filter to control PE.

Company Equipment ID: #6 Rotary Calciner (E-97)

Company Description: #6 Rotary Calciner (E-97)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1960

Begin Installation/Modification Date: 06/01/1960

Commence Operation After 01/01/2013  
Installation or Latest Modification Date:

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Boiler/Heater  
Capacity:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P092-1

Company Process Description: Calciner #6 - Raw Material Handling

Source Classification Code (SCC): 3-05-150-01

Control equipment(s) directly associated with this process

Sly Scrubber

#### - Emission Process Information

Process ID: P092-2

Company Process Description: Calciner #6 - Calcining

Source Classification Code (SCC): 3-05-150-02

Control equipment(s) directly associated with this process

Sly Scrubber

CTO/SCR Coll

#### - Emission Process Information

Process ID: P092-3

Company Process Description: Calciner #6 - Product Handling

Source Classification Code (SCC): 3-05-150-04

Control equipment(s) directly associated with this process

Sly Scrubber

P092-DC

- **Emission Process Information**

Process ID: P092-4

Company Process Description: Calciner #6 - Natural Gas Combustion

Source Classification Code (SCC): 1-02-006-03

Egress points(s) directly associated with this process

P092

## Emission Unit : P093

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P093

DAPC Description:

Company Equipment ID: BLACK FURNACES (E-99)

Company Description:

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/2011

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation  
Date:

Begin Installation/Modification Date:

Commence Operation After  
Installation or Latest Modification  
Date:

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design Not Applicable  
Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P093-60

Company Process Description:

Source Classification Code (SCC): 3-01-999-99

## Emission Unit : P094

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P094

DAPC Description:

Company Equipment ID: SPIN FLASH DRIER (E-100)

Company Description: Spin Flash Dryer with Product Collector

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1994

Begin Installation/Modification Date: 06/01/1994

Commence Operation After Installation or Latest Modification Date: 06/01/1994

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P094-Drying

Company Process Description: P094-Drying with Product Collector

Source Classification Code (SCC): 3-05-092-04

Egress points(s) directly associated with this process

P094-A

#### - Emission Process Information

Process ID: P094-Nat. Gas Comb.

Company Process Description: P094-Natural Gas Combustion

Source Classification Code (SCC): 3-05-900-03

Egress points(s) directly associated with this process

P094-NG

## Emission Unit : P095

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P095

DAPC Description: Copper Calciner #2

Company Equipment ID: Copper Calciner #2 (E-101)

Company Description: Copper Calciner # 2

Operating Status: Operating

Completion of Initial Installation Date: 04/01/1996

Begin Installation/Modification Date: 04/01/1996

Commence Operation After Installation or Latest Modification Date: 07/01/1996

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P095-62

Company Process Description: Process Emissions

Source Classification Code (SCC): 3-05-150-02

Control equipment(s) directly associated with this process

P095-B

#### - Emission Process Information

Process ID: P095-63

Company Process Description: NG Combustion

Source Classification Code (SCC): 3-01-900-03

Egress points(s) directly associated with this process

P095-F

#### - Emission Process Information

Process ID: P095-64

Company Process Description: Material Charging

Source Classification Code (SCC): 3-05-150-01

Control equipment(s) directly associated with this process

P095-A



- **Emission Process Information**

Process ID: P095-65

Company Process Description: Material Discharge/Storage

Source Classification Code (SCC): 3-05-150-04

Control equipment(s) directly associated with this process

P095-C

## Emission Unit : P096

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P096

DAPC Description:

Company Equipment ID: Horne Tableting Machines (E-102)

Company Description: Building 27 Horne Tableting Machines

Operating Status: Operating

Completion of Initial Installation Date: 01/01/1993

Begin Installation/Modification Date: 01/01/1993

Commence Operation After Installation or Latest Modification Date: 01/01/1993

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P096-Horne Tablet

Company Process Description: P096 - Horne Tableting Machines (Building 27)

Source Classification Code (SCC): 3-05-999-99

Control equipment(s) directly associated with this process

P096-B

P096-A

## Emission Unit : P097

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P097

DAPC Description:

Company Equipment ID: BLDG 24 WEST TABLETTING

Company Description: West Bldg. 24 Tabletting

Operating Status: Permanently Shutdown

Shurdown Date: 01/01/2010

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1972

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P097-63

Company Process Description:

Source Classification Code (SCC): 3-05-092-03

Control equipment(s) directly associated with this process

P097-2

P097-1

Z097-1

Z097-2

P097-3

Z097-3

Egress points(s) directly associated with this process

Z097-C

Z097-B

P097-C

Z097-A

P097-B

P097-A

## Emission Unit : P098

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P098

DAPC Description:

Company Equipment ID: BLDG 25 EAST TABLETTING

Company Description: Clean Room

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1972

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P098-64

Company Process Description:

Source Classification Code (SCC): 3-05-092-03

Control equipment(s) directly associated with this process

P054-C

## Emission Unit : P099

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P099

DAPC Description:

Company Equipment ID: PK BLENDER #2 (E-103)

Company Description: 65 Cubic Foot PK Blender

Operating Status: Operating

Completion of Initial Installation Date: 08/01/1997

Begin Installation/Modification Date: 08/01/1997

Commence Operation After Installation or Latest Modification Date: 10/01/1997

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P099-65

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P099-B

P099-A

## Emission Unit : P100

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P100

DAPC Description:

Company Equipment ID: TUNNEL KILN #2 (E-8)

Company Description: Natural gas fired tunnel kiln in Bldg. 10, 3.11 MMBtu/hr, direct-fired

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1938

Begin Installation/Modification Date: 06/01/1938

Commence Operation After Installation or Latest Modification Date: 06/01/1942

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P100-#2 Tun. Kiln

Company Process Description: #2 Tunnel Kiln

Source Classification Code (SCC): 3-05-092-04

Egress points(s) directly associated with this process

P100-Exit

#### - Emission Process Information

Process ID: P100-66-Mat. Hand.

Company Process Description: #2 Tunnel Kiln Material Handling

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

P100

#### - Emission Process Information

Process ID: P100-Kiln Heater

Company Process Description: #2 Tunnel Kiln Heater

Source Classification Code (SCC): 3-05-900-03

Egress points(s) directly associated with this process

P100-Comb-A

P100-Comb-B

## Emission Unit : P101

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P101

DAPC Description:

Company Equipment ID: TUNNEL KILN #3 (E-8)

Company Description: Natural gas fired tunnel kiln in Bldg. 10, 2.8 MMBtu/hr, direct-fired

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1938

Begin Installation/Modification Date: 06/01/1938

Commence Operation After Installation or Latest Modification Date: 06/01/1942

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P101-#3 Tun. Kiln

Company Process Description: #3 Tunnel Kiln

Source Classification Code (SCC): 3-05-092-04

Egress points(s) directly associated with this process

P101-Exit

P101-Entry

#### - Emission Process Information

Process ID: P101-67-Mat. Hand.

Company Process Description: Tunnel Kiln #3 Material Handling

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

P101

#### - Emission Process Information

Process ID: P101-Kiln Heater

Company Process Description: #3 Tunnel Kiln Heater

Source Classification Code (SCC): 3-05-900-03

Egress points(s) directly associated with this process

P101-Combust

## Emission Unit : P102

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P102

DAPC Description:

Company Equipment ID: ROTARY CALCINER #2

Company Description: GENERAL CATALYST CALCINER # 2 IN BLDG. 31

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P102-Calcination

Company Process Description: Rotary Calciner #2 Calcination

Source Classification Code (SCC): 3-05-150-02

Control equipment(s) directly associated with this process

CTO/SCR Coll

P010-1 (F-1)

P009-2/P080-3

#### - Emission Process Information

Process ID: P102-Calciner Disch.

Company Process Description: Rotary Calciner #2 Discharge

Source Classification Code (SCC): 3-05-150-04

Control equipment(s) directly associated with this process

DC #2

#### - Emission Process Information

Process ID: P102-Calciner Feed

Company Process Description: Rotary Calciner #2 Feed

Source Classification Code (SCC): 3-05-150-01

Control equipment(s) directly associated with this process



DC #2

- **Emission Process Information**

Process ID: P102-Process Heater

Company Process Description: Rotary Calciner #2 Process Heater

Source Classification Code (SCC): 3-01-900-03

Egress points(s) directly associated with this process

P102

## Emission Unit : P103

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P103

DAPC Description:

Company Equipment ID: ROTARY CALCINER #3

Company Description: GENERAL CATALYST CALCINER # 3 IN BLDG. 31

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P103-Calcination

Company Process Description: Rotary Calciner #3 Calcination

Source Classification Code (SCC): 3-05-150-02

Control equipment(s) directly associated with this process

CTO/SCR Coll

P009-2/P080-3

P010-1 (F-1)

#### - Emission Process Information

Process ID: P103-Calciner Disch.

Company Process Description: Rotary Calciner #3 Discharge

Source Classification Code (SCC): 3-05-150-04

Control equipment(s) directly associated with this process

DC #3

#### - Emission Process Information

Process ID: P103-Calciner Feed

Company Process Description: Rotary Calciner #3 Feed

Source Classification Code (SCC): 3-05-150-01

Control equipment(s) directly associated with this process

DC #3

- **Emission Process Information**

Process ID: P103-Process Heater

Company Process Description: Rotary Calciner #3 Process Heater

Source Classification Code (SCC): 3-01-900-03

Egress points(s) directly associated with this process

P103

## Emission Unit : P104

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P104

DAPC Description:

Company Equipment ID: IRON CATALYST MIXING (E-104)

Company Description: IRON CATALYST MIXING

Operating Status: Permanently Shutdown

Shutdown Date: 08/01/2015

Shutdown Notification Date: 10/21/2015

Completion of Initial Installation  
Date: 07/01/1998

Begin Installation/Modification Date: 07/01/1998

Commence Operation After  
Installation or Latest Modification  
Date: 07/01/1998

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P104-74

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P104

## Emission Unit : P105

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P105

DAPC Description: 4.0 mmBtu/Hr natural gas fired National Dryer for catalyst intermediate, maximum process rate is 0.75 ton per hr. Flex-Kleen fabric filter for control of particulate emissions

Company Equipment ID: GRAVITY BED SEPARATOR (E-107)

Company Description: GRAVITY BED SEPARATOR (E-107) IN BLDG. 27

Operating Status: Permanently Shutdown

Shutdown Date: 07/10/2015

Shutdown Notification Date: 10/21/2015

Completion of Initial Installation Date: 11/01/2000

Begin Installation/Modification Date: 11/01/2000

Commence Operation After Installation or Latest Modification Date: 02/01/2001

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P105-75

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P070-A

## Emission Unit : P106

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P106

DAPC Description: (P106) 4 .0 mmBtu/hr. direct gas-fired dryer (E-105) for mineral catalyst intermediate products in bldg. 16 with a fabric filter to control PE.

Company Equipment ID: NATIONAL DRYER IN AL GEL (E-105)

Company Description: NATIONAL DRYER (E-105)

Operating Status: Operating

Completion of Initial Installation Date: 07/01/2001

Begin Installation/Modification Date: 07/01/2001

Commence Operation After Installation or Latest Modification Date: 10/01/2001

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P106-76

Company Process Description: Catalyst Drying

Source Classification Code (SCC): 3-05-092-04

Control equipment(s) directly associated with this process

P106-A

#### - Emission Process Information

Process ID: P106-Nat. Gas Comb.

Company Process Description: P106-Natural Gas Combustion

Source Classification Code (SCC): 3-01-900-03

Egress points(s) directly associated with this process

P106-NG

## Emission Unit : P107

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P107

DAPC Description:

Company Equipment ID: CU/BI CALCINER #2

Company Description: CU/BI CALCINER #2

Operating Status: Permanently Shutdown

Shutdown Date: 01/02/2001

Shutdown Notification Date: 05/11/2009

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1982

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P107-77

Company Process Description:

Source Classification Code (SCC): 3-05-092-04

Control equipment(s) directly associated with this process

P022-1

P022-2

Egress points(s) directly associated with this process

P022-A

## Emission Unit : P108

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P108

DAPC Description:

Company Equipment ID: CU/BI CALCINER #3

Company Description: CU/BI CALCINER #3

Operating Status: Permanently Shutdown

Shutdown Date: 01/02/2001

Shutdown Notification Date: 05/11/2009

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1982

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P108-78-TEMP

Company Process Description:

Source Classification Code (SCC):

Control equipment(s) directly associated with this process

P022-1

P022-2

Egress points(s) directly associated with this process

P022-A



## Emission Unit : P109

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P109

DAPC Description:

Company Equipment ID: CU/BI CALCINER #4

Company Description: CU/BI CALCINER #4

Operating Status: Permanently Shutdown

Shutdown Date: 01/02/2001

Shutdown Notification Date: 05/11/2009

Completion of Initial Installation  
Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1982

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P109-79-TEMP

Company Process Description:

Source Classification Code (SCC):

Control equipment(s) directly associated with this process

P022-1

P022-2

Egress points(s) directly associated with this process

P022-A

## Emission Unit : P110

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P110

DAPC Description:

Company Equipment ID: Gen Cat Mixer #3 (E-29)

Company Description: General Catalyst Mixer #3, Building 31

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P110-80

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P110-1

## Emission Unit : P111

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P111

DAPC Description:

Company Equipment ID: GEN CAT BLENDER B-2 (E-30) (East Pfaudler)

Company Description: East Pfaudler, Building 31 (DOUBLE CONE BLENDER B-2)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P111-81

Company Process Description: Double Cone Blender

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P024-3 - F-2

#### - Emission Process Information

Process ID: P111-Mat'l Load

Company Process Description: Blender material loading

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

P024-1

## Emission Unit : P112

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P112

DAPC Description:

Company Equipment ID: GEN CAT TRAY DRIER #1 (E-31)

Company Description: ROCKWELL DRIER 1

Operating Status: Permanently Shutdown

Shurdown Date: 11/15/2014

Shutdown Notification Date: 04/10/2015

Completion of Initial Installation  
Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1968

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P113

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P113

DAPC Description:

Company Equipment ID: GEN CAT TRAY DRIER #2 (E-31)

Company Description: ROCKWELL DRIER 2

Operating Status: Permanently Shutdown

Shurdown Date: 11/15/2014

Shutdown Notification Date: 04/10/2015

Completion of Initial Installation  
Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1968

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P114

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P114

DAPC Description:

Company Equipment ID: GEN CAT TRAY DRIER #3 (E-31)

Company Description: ROCKWELL DRIER 3

Operating Status: Permanently Shutdown

Shutdown Date: 11/15/2014

Shutdown Notification Date: 04/10/2015

Completion of Initial Installation  
Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1968

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P115

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P115

DAPC Description:

Company Equipment ID: GEN CAT EXTRUDER #2 (E-32)

Company Description: GEN CAT EXTRUDER #2 (E-32)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P115-82

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

DC #2

## Emission Unit : P116

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P116

DAPC Description:

Company Equipment ID: GEN CAT EXTRUDER #3 (E-32)

Company Description: GEN CAT EXTRUDER #3 (E-32)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P116-83

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

DC #3



## Emission Unit : P117

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P117

DAPC Description:

Company Equipment ID: CER COLOR BLEND, CRUSH, MILL #2 (E-35)

Company Description: BLENDER 2; PULVERIZER M-2; CRUSHER IN BLDG. 10A

Operating Status: Permanently Shutdown

Shutdown Date: 01/01/2011

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1972

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P117-84

Company Process Description:

Source Classification Code (SCC): 3-01-035-52

Control equipment(s) directly associated with this process

P031-M-1

Egress points(s) directly associated with this process

P031-M-1

## Emission Unit : P118

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P118

DAPC Description:

Company Equipment ID: Briquettor

Company Description: Briquettor

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1970

Begin Installation/Modification Date: 06/01/1970

Commence Operation After Installation or Latest Modification Date: 06/01/1980

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P118-85

Company Process Description:

Source Classification Code (SCC): 3-05-092-02

## Emission Unit : P120

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P120

DAPC Description:

Company Equipment ID: GEN CAT DRIER 5 (E-86)

Company Description: Rockwell Drier #5

Operating Status: Permanently Shutdown

Shutdown Date: 11/15/2014

Shutdown Notification Date: 04/10/2015

Completion of Initial Installation  
Date: 06/01/1981

Begin Installation/Modification Date: 06/01/1981

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1981

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P121

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P121

DAPC Description:

Company Equipment ID: GEN CAT P&S 2

Company Description: General Catalyst Dryer - Line 2

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1972

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P121-Drying

Company Process Description: General Catalyst Dryer - Line 2

Source Classification Code (SCC): 3-05-092-04

Control equipment(s) directly associated with this process

P086-1

#### - Emission Process Information

Process ID: P121-Mat'l Hand.

Company Process Description: P121-Material Handling

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

DC #2

#### - Emission Process Information

Process ID: P121-Nat. Gas Comb.

Company Process Description: P121-Natural Gas Combustion

Source Classification Code (SCC): 3-01-900-03

Control equipment(s) directly associated with this process

P086-1

## Emission Unit : P122

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P122

DAPC Description:

Company Equipment ID: GEN CAT P&S 3

Company Description: General Catalyst Dryer - Line 3

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After Installation or Latest Modification Date: 06/01/1972

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: P122-Drying

Company Process Description: General Catalyst Dryer - Line 3

Source Classification Code (SCC): 3-05-092-04

Control equipment(s) directly associated with this process

P086-2

#### - Emission Process Information

Process ID: P122-Mat'l Hand.

Company Process Description: P122-Material Handling

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

DC #3

#### - Emission Process Information

Process ID: P122-Nat. Gas Comb.

Company Process Description: P122-Natural Gas Combustion

Source Classification Code (SCC): 3-01-900-03

Control equipment(s) directly associated with this process

P086-2

## Emission Unit : P123

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P123

DAPC Description:

Company Equipment ID: Reduction Tower #6 (E-98)

Company Description: Reduction Tower No. 6

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1993

Begin Installation/Modification Date: 06/01/1993

Commence Operation After Installation or Latest Modification Date: 06/01/1993

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P124

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P124

DAPC Description:

Company Equipment ID: ELEVATOR KILN #4

Company Description:

Operating Status: Permanently Shutdown

Shutdown Date: 05/31/2011

Shutdown Notification Date: 05/23/2011

Completion of Initial Installation  
Date: 06/01/1939

Begin Installation/Modification Date: 06/01/1939

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1939

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P125

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P125

DAPC Description:

Company Equipment ID: ELEVATOR KILN #5

Company Description:

Operating Status: Permanently Shutdown

Shutdown Date: 05/15/2011

Shutdown Notification Date: 05/23/2011

Completion of Initial Installation  
Date: 06/01/1939

Begin Installation/Modification Date: 06/01/1939

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1939

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes



## Emission Unit : P126

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P126

DAPC Description: Mineral "Horne" tableting machines (E-102)

Company Equipment ID: HORNE TABLETING MACHINES (E-102)

Company Description: HORNE TABLETING

Operating Status: Permanently Shutdown

Shurdown Date: 01/01/1993

Shutdown Notification Date: 11/25/2013

Completion of Initial Installation  
Date: 01/01/1993

Begin Installation/Modification Date: 01/01/1993

Commence Operation After  
Installation or Latest Modification  
Date: 01/01/1993

Title V EU Classification: Insignificant

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P127

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P127

DAPC Description: 3 lines of tabletting presses in building #13

Company Equipment ID: 3 Lines of tabletting presses, briquettor, and screeners in

Company Description: 3 Lines of tabletting presses, briquettor, and screeners in Building #13.

Operating Status: Operating

Completion of Initial Installation Date: 04/03/2000

Begin Installation/Modification Date: 10/01/1999

Commence Operation After Installation or Latest Modification Date: 05/08/2000

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: Tabletting/Briq./Scr

Company Process Description: Tabletting Presses, Briquettor, & Screeners Building #13

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P127-C

P127-A

P127-B

## Emission Unit : P128

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P128

DAPC Description: Emergency Distillate Oil Generator rated at 370HP

Company Equipment ID: Emergency Generator #1

Company Description: Emergency Generator #1 (distillate oil-fired, 370 hp)

Operating Status: Operating

Completion of Initial Installation Date: 06/02/1980

Begin Installation/Modification Date: 06/02/1980

Commence Operation After Installation or Latest Modification Date: 06/02/1980

Title V EU Classification: Insignificant

Exemption Status: Permit Exempt

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: Emergency Gen. #1

Company Process Description: Emergency Generator #1

Source Classification Code (SCC): 2-02-001-02

## Emission Unit : P129

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P129

DAPC Description: Cathode materials manufacturing: metal carbonate process operations, metal hydroxide process operations, mixed materials process operations, and cleanup operations. Except for two kilns (cathode-8 & cathode-14), each process operation has a primary control device filter to control emissions of particulates and hazardous air pollutants (nickel, manganese and cobalt compounds). Cathodes 3, 4, 6, 7, 9, 10, 11, 12, 13 and 15 have a secondary control afterfilter to control emissions of particulates and hazardous air pollutants.

Company Equipment ID: Cathode Plant

Company Description: Cathode Plant

Operating Status: Operating

Completion of Initial Installation 11/28/2011  
Date:

Begin Installation/Modification Date: 04/01/2013

Commence Operation After 07/13/2015  
Installation or Latest Modification  
Date:

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Not Applicable  
Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: Cathode-1

Company Process Description: LiCO3 Unloading

Source Classification Code (SCC): 3-05-150-01

Control equipment(s) directly associated with this process

DF-1

#### - Emission Process Information

Process ID: Cathode-10

Company Process Description: Classifier Mill

Source Classification Code (SCC): 3-05-150-04

Control equipment(s) directly associated with this process

DF-9

#### - Emission Process Information

Process ID: Cathode-11

Company Process Description: Product Collection & Blending

Source Classification Code (SCC): 3-05-150-02

Control equipment(s) directly associated with this process

DF-21

- **Emission Process Information**

Process ID: Cathode-12

Company Process Description: Product Loading

Source Classification Code (SCC): 3-05-105-99

Control equipment(s) directly associated with this process

DF-10

- **Emission Process Information**

Process ID: Cathode-13

Company Process Description: Conveyor Housing/Sagger Cleaning

Source Classification Code (SCC): 3-05-101-98

Control equipment(s) directly associated with this process

DF-8

DF-11

- **Emission Process Information**

Process ID: Cathode-15

Company Process Description: Central Vacuum Unit

Source Classification Code (SCC): 3-99-999-99

Control equipment(s) directly associated with this process

DF-13

- **Emission Process Information**

Process ID: Cathode-16

Company Process Description: Milled LiCO<sub>3</sub> Collection & Dosing

Source Classification Code (SCC): 3-99-999-91

Control equipment(s) directly associated with this process

DF-22

- **Emission Process Information**

Process ID: Cathode-2

Company Process Description: LiCO<sub>3</sub> Lump Breaking

Source Classification Code (SCC): 3-05-038-11

Control equipment(s) directly associated with this process

DF-2

- **Emission Process Information**

Process ID: Cathode-3

Company Process Description: Precursor Unloading

Source Classification Code (SCC): 3-05-104-98

Control equipment(s) directly associated with this process

DF-3

- **Emission Process Information**

Process ID: Cathode-4

Company Process Description: Precursor Buffering

Source Classification Code (SCC): 3-05-104-99

Control equipment(s) directly associated with this process

DF-4

- **Emission Process Information**

Process ID: Cathode-5

Company Process Description: LiCO<sub>3</sub> Classifier Mill

Source Classification Code (SCC): 3-05-150-03

Control equipment(s) directly associated with this process

DF-5

- **Emission Process Information**

Process ID: Cathode-6

Company Process Description: Mixing and Mixer Dosing

Source Classification Code (SCC): 3-05-150-05

Control equipment(s) directly associated with this process

DF-6

- **Emission Process Information**

Process ID: Cathode-7

Company Process Description: Conveyor Housing  
Source Classification Code (SCC): 3-05-101-96

Control equipment(s) directly associated with this process

DF-7

- **Emission Process Information**

Process ID: Cathode-8 and -14  
Company Process Description: Kilns (2)  
Source Classification Code (SCC): 3-05-999-99

Egress points(s) directly associated with this process

A6

A4

- **Emission Process Information**

Process ID: Cathode-9  
Company Process Description: Crusher  
Source Classification Code (SCC): 3-05-105-98

Control equipment(s) directly associated with this process

DF-12

## Emission Unit : P130

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P130

DAPC Description: #6 P&S dryer for impregnated extrudate material in building 27: 3.0 mmBtu/hr natural gas indirect fired air heater for the extrudate drier with a wet scrubber to control particulate emissions (PE); and material handling with a wet scrubber to control PE.

Company Equipment ID: #6 P&S Dryer (Building 27)

Company Description: #6 P&S Dryer (Building 27)

Operating Status: Operating

Completion of Initial Installation Date: 01/01/2000

Begin Installation/Modification Date: 01/01/2000

Commence Operation After Installation or Latest Modification Date: 01/01/2000

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: #6 P&S - Drying

Company Process Description: #6 P&S Dryer - Drying

Source Classification Code (SCC): 3-03-024-11

Control equipment(s) directly associated with this process

Sly Scrubber

#### - Emission Process Information

Process ID: #6 P&S - Handling

Company Process Description: #6 P&S Dryer - Product Discharge Handling

Source Classification Code (SCC): 3-03-024-04

Control equipment(s) directly associated with this process

Sly Scrubber

#### - Emission Process Information

Process ID: #6 P&S - NG Comb.

Company Process Description: #6 P&S Dryer - Natural Gas Combustion

Source Classification Code (SCC): 1-02-006-03

Control equipment(s) directly associated with this process

Sly Scrubber



## Emission Unit : P131

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P131

DAPC Description: Copper tablet precursor production: pneumatic transfer of copper/chromium oxide powder; a mixer with a bin vent filter to control particulate emissions (PE); a 0.85 mmBtu/hr natural gas indirect fired dryer with a bin vent filter to control PE; a mill/blend system with a dust collector to control PE vented to a HEPA after filter.

Company Equipment ID: Copper Tablet Precursor Process

Company Description: Copper Tablet Precursor Process

Operating Status: Operating

Completion of Initial Installation Date: 01/01/2010

Begin Installation/Modification Date: 01/01/2010

Commence Operation After Installation or Latest Modification Date: 06/01/2014

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: Dryer

Company Process Description: Copper Tablet Precursor Process - Dryer

Source Classification Code (SCC): 3-05-092-04

Control equipment(s) directly associated with this process

F-10-01

#### - Emission Process Information

Process ID: Kneader (Mixer)

Company Process Description: Copper Tablet Precursor Process - Kneader (Mixer)

Source Classification Code (SCC): 3-05-999-99

Control equipment(s) directly associated with this process

F-10-01

#### - Emission Process Information

Process ID: Material Handling

Company Process Description: Copper Tablet Precursor Process - Material Handling

Source Classification Code (SCC): 3-05-092-01

Control equipment(s) directly associated with this process

DC-10-01

- **Emission Process Information**

Process ID: Mill/Blend System

Company Process Description: Copper Tablet Precursor System - Mill/Blend System

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

DC-10-01

- **Emission Process Information**

Process ID: Powder Transfer

Company Process Description: Copper Tablet Precursor Process - Pneumatic Powder Transfer

Source Classification Code (SCC): 3-05-105-99

Egress points(s) directly associated with this process

Powd. Trans.

## Emission Unit : P132

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P132

DAPC Description: Handling and bulk bagging of inorganic oxide powders: Pneumatic conveyor line nos. 1-3 have each of the following equipment: super sack unloading with a capture hood; raw powder feed pneumatic conveying; 50 lb. bag transfer to drum with a capture hood; and minor material transfer to a vacuum receiver. All captured hood exhaust gases are vented to dust collector no. 7 to control particulate emissions (PE). And a bulk bag (Super Sack) loading station: 50 lb. bag transfer with a hood; and pneumatic transfer to super sack. All captured bulk bag loading exhaust gases are vented to a dust collector to control PE.

Company Equipment ID: Powder Room-Pneumatic Conveyor Line Nos. 1-3

Company Description: Powder Room - 3 identical autobatching pneumatic conveyor lines (Nos. 1-3) each consisting of super sack unloading, minor material transfer operations (50 lb bag loading to drums and subsequent pneumatic transfer from drums to main conveyor line), and pneumatic conveying to a vacuum receiver; and a single bulk bag (Super Sack) loading station

Operating Status: Operating

Completion of Initial Installation Date: 01/01/2010

Begin Installation/Modification Date: 01/01/2010

Commence Operation After Installation or Latest Modification Date: 01/01/2010

Title V EU Classification: Significant

Exemption Status: NA

Boiler/Turbine/Generator Design Not Applicable Capacity:

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: Powder - Mat'l Hand.

Company Process Description: Powder Room - Bulk Bag Loading Station

Source Classification Code (SCC): 3-03-024-04

Control equipment(s) directly associated with this process

BBLS-DF

#### - Emission Process Information

Process ID: Powder - Pneumatic

Company Process Description: Powder Room - Pneumatic Conveyor Lines Nos. 1-3

Source Classification Code (SCC): 3-05-105-99

Control equipment(s) directly associated with this process

DC-7 Bldg 11

## Emission Unit : P133

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P133

DAPC Description: 2.5 mmBtu/hr. natural gas indirect fired spin flash (vacuum filter) dryer to dry copper carbonate wet filter cake.

Company Equipment ID: Spin Flash Dryer (Building 27)

Company Description: Spin Flash Dryer (Building 27)

Operating Status: Operating

Completion of Initial Installation Date: 08/01/2014

Begin Installation/Modification Date: 01/01/2012

Commence Operation After Installation or Latest Modification Date: 08/01/2014

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Boiler/Heater

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: Spin Flash Dryer

Company Process Description: Spin Flash Dryer (Building 27)

Source Classification Code (SCC): 3-05-092-04

Egress points(s) directly associated with this process

SpinFlashDry

#### - Emission Process Information

Process ID: Spin Flash Dryer NG

Company Process Description: Spin Flash Dryer - Natural Gas Combustion

Source Classification Code (SCC): 1-02-006-03

Egress points(s) directly associated with this process

SpinFlashDry

## Emission Unit : P134

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P134

DAPC Description: Micropulverizer nos. 1 & 2

Company Equipment ID: Bldg 26 Micropulverizers

Company Description: Two (2) micropulverizers in Building 26

Operating Status: Operating

Completion of Initial Installation Date: 01/01/1982

Begin Installation/Modification Date: 01/01/1982

Commence Operation After Installation or Latest Modification Date: 01/01/1982

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P135

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P135

DAPC Description: Reduction Tower No. 3

Company Equipment ID: Reduction Tower No. 3

Company Description: Reduction Tower No. 3

Operating Status: Operating

Completion of Initial Installation Date: 01/01/1993

Begin Installation/Modification Date: 01/01/1993

Commence Operation After Installation or Latest Modification Date: 01/01/1993

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P136

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P136

DAPC Description: "Cone" blender and granulator, building 24

Company Equipment ID: BLENDER AND GRANULATOR, BUILDING 24

Company Description: Blender and Granulator, Building 24

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1962

Begin Installation/Modification Date: 01/01/1962

Commence Operation After Installation or Latest Modification Date: 07/01/1962

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : P138

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P138

DAPC Description: Copper milling repackaging station

Company Equipment ID: COPPER MILLING REPACKAGING STATION

Company Description: Copper Milling Repackaging Station

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1981

Begin Installation/Modification Date: 01/01/1981

Commence Operation After Installation or Latest Modification Date: 07/01/1981

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes



## Emission Unit : P139

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: P139

DAPC Description: Abbe Mixer and associated equipment, bldg. 27.

Company Equipment ID: ABBE MIXER

Company Description: Abbe Mixer and associated equipment.

Operating Status: Operating

Completion of Initial Installation Date: 06/01/2003

Begin Installation/Modification Date: 01/01/2003

Commence Operation After Installation or Latest Modification Date: 07/01/2003

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : T001

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: T001

DAPC Description: 10,000 gallon storage tank for sulfuric acid

Company Equipment ID: NITRIC ACID TANK

Company Description: 10,000 gallon nitric acid storage tank.

Operating Status: Operating

Completion of Initial Installation  
Date: 06/01/1972

Begin Installation/Modification Date: 06/01/1972

Commence Operation After  
Installation or Latest Modification  
Date: 06/01/1972

Title V EU Classification: Insignificant (no  
applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design  
Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Emission Unit : TMP189513

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: TMP189513

DAPC Description:

Company Equipment ID: GEN CAT MIXER #2

Company Description: GEN CAT MIXER #2

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1968

Begin Installation/Modification Date: 06/01/1968

Commence Operation After Installation or Latest Modification Date: 06/01/1968

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

#### - Emission Process Information

Process ID: Gen Cat Mixer #2

Company Process Description: Gen Cat Mixer #2

Source Classification Code (SCC): 3-05-092-02

Control equipment(s) directly associated with this process

P025-1

## Emission Unit : TMP191436

Nov 17 2016, 10:20:51

### - Emission Unit Information

DAPC Emissions Unit ID: TMP191436

DAPC Description:

Company Equipment ID: Two screeners (E-98)

Company Description: Two screeners with dust collector.

(formerly part of reduction tower EU)

Operating Status: Operating

Completion of Initial Installation Date: 06/01/1993

Begin Installation/Modification Date: 01/01/1993

Commence Operation After Installation or Latest Modification Date: 07/01/1993

Title V EU Classification: Insignificant (no applicable requirements)

Exemption Status: De minimis

Boiler/Turbine/Generator Design Capacity: Not Applicable

Design Capacity Units:

ORIS Boiler ID:

### - Processes

## Control Equipment : AF-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: AF-1  
Company Description: Bulk bag unloading -secondary filter  
Operating Status: Operating  
Initial Installation Date: 11/28/2011  
Manufacturer: National Bulk Equipment  
Model: F31030

### - Specific Equipment Type information

Filter/Baghouse Type: Other  
Equipment Description: Bulk bag unloading -secondary filter  
Pressure type: negative  
Fabric Cleaning Mechanism: none  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent Type: PTFE-Lined  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 550  
Outlet Gas Flow Rate: 550  
Inlet Gas Temp: 80  
Outlet Gas Temp: 90

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

A1

## Control Equipment : AF-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: AF-2  
Company Description: Milling safety filter  
Operating Status: Operating  
Initial Installation Date: 02/06/2012  
Manufacturer: GEA (Model-Multiclean KLH 2/1-Li)  
Model: F23070

### - Specific Equipment Type information

Filter/Baghouse Type: Other  
Equipment Description: Milling safety filter  
Pressure type: negative  
Fabric Cleaning Mechanism: none  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent Type:  
Lime Injection/Fabric Coating Feed Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1400  
Outlet Gas Flow Rate: 1400  
Inlet Gas Temp: 120  
Outlet Gas Temp: 140

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

A1

## Control Equipment : AF-3

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: AF-3  
Company Description: Central safety filter  
Operating Status: Operating  
Initial Installation Date: 01/09/2012  
Manufacturer: MAC Equipment  
Model: F61090-2M2F2Saf.Filt

### - Specific Equipment Type information

Filter/Baghouse Type: Other  
Equipment Description: Central safety filter  
Pressure type: negative  
Fabric Cleaning Mechanism: none  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1300  
Outlet Gas Flow Rate: 1300  
Inlet Gas Temp: 120  
Outlet Gas Temp: 140

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

A1

## Control Equipment : AF-4

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: AF-4  
Company Description: Central safety filter  
Operating Status: Operating  
Initial Installation Date: 01/09/2012  
Manufacturer: MAC Equipment  
Model: F69045-2M2F2Saf.Filt

### - Specific Equipment Type information

Filter/Baghouse Type: Other  
Equipment Description: Central safety filter  
Pressure type: negative  
Fabric Cleaning Mechanism: none  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2000  
Outlet Gas Flow Rate: 2000  
Inlet Gas Temp: 140  
Outlet Gas Temp: 160

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

A2



## Control Equipment : AF-5

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: AF-5  
Company Description: Milling safety filter  
Operating Status: Operating  
Initial Installation Date: 02/06/2012  
Manufacturer: GEA (Model-Multiclean KLH 3/1-re)  
Model: F71040

### - Specific Equipment Type information

Filter/Baghouse Type: Other  
Equipment Description: Milling safety filter  
Pressure type: negative  
Fabric Cleaning Mechanism: none  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent Type:  
Lime Injection/Fabric Coating Feed Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2400  
Outlet Gas Flow Rate: 2400  
Inlet Gas Temp: 140  
Outlet Gas Temp: 160

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

A3

## Control Equipment : AF-6

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: AF-6  
Company Description: Central safety filter  
Operating Status: Operating  
Initial Installation Date: 01/09/2012  
Manufacturer: MAC Process  
Model: F92020-2M2F4Saf.Filt

### - Specific Equipment Type information

Filter/Baghouse Type: Other  
Equipment Description: Central safety filter  
Pressure type: negative  
Fabric Cleaning Mechanism: none  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2300  
Outlet Gas Flow Rate: 2300  
Inlet Gas Temp: 120  
Outlet Gas Temp: 140

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

A9

## Control Equipment : AF-7

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: AF-7  
Company Description: Conveyor cleaning safety filter  
Operating Status: Operating  
Initial Installation Date: 02/15/2012  
Manufacturer: Vacumax  
Model: F67353-Z71356104

### - Specific Equipment Type information

Filter/Baghouse Type: Other  
Equipment Description: Conveyor cleaning safety filter  
Pressure type: negative  
Fabric Cleaning Mechanism: none  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 250  
Outlet Gas Flow Rate: 250  
Inlet Gas Temp: 140  
Outlet Gas Temp: 160

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	90	90	100	90
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	90	90	100	90

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

A2

## Control Equipment : AF-8

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: AF-8  
Company Description: Central vacuum unit safety filter  
Operating Status: Operating  
Initial Installation Date: 02/15/2012  
Manufacturer: Vacumax  
Model: F11920-Z71356/04

### - Specific Equipment Type information

Filter/Baghouse Type: Other  
Equipment Description: Central vacuum unit safety filter  
Pressure type: negative  
Fabric Cleaning Mechanism: none  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 250  
Outlet Gas Flow Rate: 250  
Inlet Gas Temp: 80  
Outlet Gas Temp: 90

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	90	90	100	90
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	90	90	100	90

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

A10

## Control Equipment : BBLS-DF

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: BBLS-DF  
Company Description: Powder Room Bulk Bag Loading Station - Dust Filter  
Operating Status: Operating Initial Installation Date: 01/01/2010  
Manufacturer: Flexicon Model: NA

### - Specific Equipment Type information

Filter/Baghouse Type: Reverse Air  
Equipment Description: reverse-pulse fabric filter system  
Pressure type: positive  
Fabric Cleaning Mechanism: reverse-pulse jet  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2400  
Outlet Gas Flow Rate: 1600  
Inlet Gas Temp: 75  
Outlet Gas Temp: 75

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PM10 (Filt) - Primary PM10, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

BBLS-DF

## Control Equipment : CTO/SCR Coll

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: CTO/SCR Coll  
Company Description: CTO/SCR Dust collector and HEPA Filter  
Operating Status: Operating Initial Installation Date: 12/16/1996  
Manufacturer: Flex-Kleen Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: SCR baghouse  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2500  
Outlet Gas Flow Rate: 2500  
Inlet Gas Temp: 220  
Outlet Gas Temp: 220

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PM10 (Filt) - Primary PM10, Filterable Portion Only	99.95	99.95	99.95	99.90003

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

P010 SCR

## Control Equipment : DC #2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse

DAPC Description:

Company ID: DC #2

Company Description: Dust Collector No. 2 (for P102 - Rotary Calciner 2 and P121 - P&S Dryer 2)

Operating Status: Operating

Initial Installation Date: 01/01/1990

Manufacturer: Flexkleen

Model: 100WBS-81 IIIG

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet

Equipment Description: bottom-load, pulse jet baghouse

Pressure type: negative

Fabric Cleaning Mechanism: Pulse air

Operating Pressure Drop Range: >0.1

Lime Injection/fabric Coating Agent: No

Lime Injection/Fabric Coating Agent N/A  
Type:

Lime Injection/Fabric Coating Feed N/A  
Rate:

Bag Leak Detection System: No

Inlet Gas Flow Rate: 4000

Outlet Gas Flow Rate: 2400

Inlet Gas Temp: 200

Outlet Gas Temp: 84

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

DC#2 Stack

## Control Equipment : DC #3

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DC #3  
Company Description: Dust Collector No. 3 (for P103 - Rotary Calciner 3 and P122 - P&S Dryer 3)  
Operating Status: Operating  
Initial Installation Date: 01/01/1990  
Manufacturer: Flexkleen  
Model: 100WBS-64 IIIG

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: bottom-load, pulse jet baghouse  
Pressure type: negative  
Fabric Cleaning Mechanism: Pulse air  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4000  
Outlet Gas Flow Rate: 2400  
Inlet Gas Temp: 200  
Outlet Gas Temp: 84

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

DC#3 Stack



## Control Equipment : DC-10-01

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DC-10-01  
Company Description: Copper Tablet Precursor Process - Dust Collector  
Operating Status: Operating Initial Installation Date: 01/01/2010  
Manufacturer: Donaldson Torit Model: DFT 3-6

### - Specific Equipment Type information

Filter/Baghouse Type: Cartridge  
Equipment Description: Copper Tablet Precursor Dust Collector  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2400  
Outlet Gas Flow Rate: 1600  
Inlet Gas Temp: 200  
Outlet Gas Temp: 100

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

F-10-03

## Control Equipment : DC-7 Bldg 11

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DC-7 Bldg 11  
Company Description: Dust Collector #7 outside Building 11 (58807550)  
Operating Status: Operating Initial Installation Date: 01/01/2010  
Manufacturer: Flex-Kleen Model: 100WSBC100 IIIG

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: pulse-jet fabric filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 5400  
Outlet Gas Flow Rate: 4000  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

DC-7 Bldg 11

## Control Equipment : DF-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-1  
Company Description: Bulk bag unloading filter  
Operating Status: Operating  
Initial Installation Date: 11/28/2011  
Manufacturer: National Bulk Equipment  
Model: F21050

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Bulk bag unloading filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 550  
Outlet Gas Flow Rate: 550  
Inlet Gas Temp: 80  
Outlet Gas Temp: 90

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

A1

## Control Equipment : DF-10

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-10  
Company Description: Cartridge filter station  
Operating Status: Operating  
Initial Installation Date: 01/05/2012  
Manufacturer: MAC Equipment  
Model: F92010-4M2F16MAC2FLO

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Cartridge filter station  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent PTFE-Lined Type:  
Lime Injection/Fabric Coating Feed N/A Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 2300  
Outlet Gas Flow Rate: 2300  
Inlet Gas Temp: 120  
Outlet Gas Temp: 140

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-6

## Control Equipment : DF-11

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-11  
Company Description: Conveyor cleaning filter  
Operating Status: Operating  
Initial Installation Date: 02/15/2012  
Manufacturer: Vacumax  
Model: F67350-SA71655

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Conveyor cleaning filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent Type: PTFE-Lined  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 250  
Outlet Gas Flow Rate: 250  
Inlet Gas Temp: 140  
Outlet Gas Temp: 160

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-7

## Control Equipment : DF-12

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-12  
Company Description: Hopper bin filter  
Operating Status: Operating  
Initial Installation Date: 11/28/2011  
Manufacturer: MAC Process  
Model: F70025

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Hopper bin filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent PTFE-Lined  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 30  
Outlet Gas Flow Rate: 30  
Inlet Gas Temp: 80  
Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

DF-8

## Control Equipment : DF-13

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-13  
Company Description: Central vacuum unit filter  
Operating Status: Operating  
Initial Installation Date: 02/15/2012  
Manufacturer: Vacumax  
Model: F11910-SA71655

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Central vacuum primary filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent Type: PTFE-Lined  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 250  
Outlet Gas Flow Rate: 250  
Inlet Gas Temp: 80  
Outlet Gas Temp: 90

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-8

## Control Equipment : DF-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-2  
Company Description: Hopper bin filter  
Operating Status: Operating  
Initial Installation Date: 11/28/2011  
Manufacturer: MAC Process  
Model: F21535

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Hopper bin filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent Type: PTFE-Lined  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 10  
Outlet Gas Flow Rate: 10  
Inlet Gas Temp: 80  
Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-3



## Control Equipment : DF-21

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-21  
Company Description: Hopper Bin Filter  
Operating Status: Not Operating  
Initial Installation Date:  
Manufacturer: MAC Process  
Model: F77015

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Hopper bin filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent PTFE-Lined  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 200  
Outlet Gas Flow Rate: 200  
Inlet Gas Temp: 80  
Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

DF-8

## Control Equipment : DF-22

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-22  
Company Description: Hopper Bin Filter  
Operating Status: Not Operating  
Initial Installation Date:  
Manufacturer: MAC Process  
Model: F23025

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Hopper bin filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent Type: PTFE-Lined  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 15  
Outlet Gas Flow Rate: 15  
Inlet Gas Temp: 80  
Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-3

## Control Equipment : DF-3

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-3  
Company Description: Bulk bag unloading/primary filter  
Operating Status: Operating  
Initial Installation Date: 11/28/2011  
Manufacturer: National Bulk Equipment  
Model: F31020

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Bulk bag unloading/primary filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 550  
Outlet Gas Flow Rate: 550  
Inlet Gas Temp: 80  
Outlet Gas Temp: 90

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-1

## Control Equipment : DF-4

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-4  
Company Description: Hopper bin filter  
Operating Status: Operating  
Initial Installation Date: 11/28/2011  
Manufacturer: MAC Process  
Model: F32015

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Hopper bin filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent PTFE-Lined  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 5  
Outlet Gas Flow Rate: 5  
Inlet Gas Temp: 80  
Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-3

## Control Equipment : DF-5

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-5  
Company Description: Mill baghouse filter  
Operating Status: Operating  
Initial Installation Date: 01/26/2012  
Manufacturer: PEK (Model-FRR-32/2.5/TR/SG)  
Model: F23010

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Mill baghouse filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-16  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent Type: PTFE-Lined  
Lime Injection/Fabric Coating Feed Rate: N/A  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 1400  
Outlet Gas Flow Rate: 1400  
Inlet Gas Temp: 120  
Outlet Gas Temp: 140

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-2

## Control Equipment : DF-6

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-6  
Company Description: Mixer bin filter  
Operating Status: Operating  
Initial Installation Date: 01/18/2012  
Manufacturer: Littleford Day  
Model: F41020

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Mixer bin filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent PTFE-Lined  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 35  
Outlet Gas Flow Rate: 35  
Inlet Gas Temp: 100  
Outlet Gas Temp: 100

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-3

## Control Equipment : DF-7

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-7  
Company Description: Cartridge filter station  
Operating Status: Operating  
Initial Installation Date: 01/05/2012  
Manufacturer: MAC Equipment  
Model: F61030-2M2F8MAC2FLO

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Cartridge filter station  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent Type: PTFE-Coated  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 1300  
Outlet Gas Flow Rate: 1300  
Inlet Gas Temp: 120  
Outlet Gas Temp: 140

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-3

## Control Equipment : DF-8

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-8  
Company Description: Cartridge filter  
Operating Status: Operating  
Initial Installation Date: 11/28/2011  
Manufacturer: MAC Equipment  
Model: F69040

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent PTFE-Lined  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 2000  
Outlet Gas Flow Rate: 2000  
Inlet Gas Temp: 140  
Outlet Gas Temp: 160

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-4



## Control Equipment : DF-9

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: DF-9  
Company Description: Mill baghouse filter  
Operating Status: Operating  
Initial Installation Date: 01/26/2012  
Manufacturer: PEK (Model-FRR-52/2.5/TR/SG)  
Model: F71030

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Mill baghouse filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: 0-16  
Lime Injection/fabric Coating Agent: Yes  
Lime Injection/Fabric Coating Agent Type: PTFE-Lined  
Lime Injection/Fabric Coating Feed Rate: N/A  
Bag Leak Detection System: Yes  
Inlet Gas Flow Rate: 2400  
Outlet Gas Flow Rate: 2400  
Inlet Gas Temp: 140  
Outlet Gas Temp: 160

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

AF-5

## Control Equipment : E101

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: E101  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 01/01/1996  
Manufacturer: FLEX-KLEEN  
Model: 84-BVBS-253G

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: 1-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : F-10-01

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: F-10-01  
Company Description: Copper Tablet Precursor Process - Bin Vent  
Operating Status: Operating Initial Installation Date: 01/01/2010  
Manufacturer: Donaldson Torit Model: DLMC 1/2/15

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Copper Tablet Precursor Process - Bin Vent  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 500  
Outlet Gas Flow Rate: 400  
Inlet Gas Temp: 200  
Outlet Gas Temp: 100

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

F-10-01

## Control Equipment : F-10-03

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: F-10-03  
Company Description: Copper Tablet Precursor Process - After Filter  
Operating Status: Operating  
Initial Installation Date: 01/01/2010  
Manufacturer: Donaldson Torit  
Model: Auto-Lok 1H x 2W

### - Specific Equipment Type information

Filter/Baghouse Type: Other  
Equipment Description: after filter  
Pressure type: after filter  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 500  
Outlet Gas Flow Rate: 400  
Inlet Gas Temp: 200  
Outlet Gas Temp: 100

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

F-10-03

## Control Equipment : F21050

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: F21050  
Company Description: Fabric Filter Cathode Plant  
Operating Status: Operating  
Initial Installation Date:  
Manufacturer: National Bulk Equipment  
Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Bulk Bag Unloading Filter  
Pressure type: negative  
Fabric Cleaning Mechanism: Pulse Jet  
Operating Pressure Drop Range: 0-20  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 550  
Outlet Gas Flow Rate: 550  
Inlet Gas Temp: 80  
Outlet Gas Temp: 90

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P002

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P002  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1955  
Manufacturer: DRACCO DIV. FULLER CO.  
Model: 20S

### - Specific Equipment Type information

Filter/Baghouse Type: Reverse Air  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 4-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1000  
Outlet Gas Flow Rate: 1000  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PM10 (Filt) - Primary PM10, Filterable Portion Only	99	95	95	90.25

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P002-A

## Control Equipment : P003

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P003  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1957  
Manufacturer: W. W. SLY  
Model: UNKNOWN

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 4-6  
Lime Injection/fabric Coating Agent: 4-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P004

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P004  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1967  
Manufacturer: Pangborne  
Model: 400 CN

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 4-6  
Lime Injection/fabric Coating Agent: 4-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 2380  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P004-A



## Control Equipment : P005-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P005-1  
Company Description: P005-1 - #4 Tunnel Kiln Baghouse  
Operating Status: Operating  
Initial Installation Date: 06/01/1990  
Manufacturer: FLEX-KLEEN  
Model: 100-WSBC-121

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Loading/Unloading Filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 10  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 6400  
Outlet Gas Flow Rate: 4000  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P005-A

## Control Equipment : P006-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P006-1  
Company Description: Copper Calciner 1 - Feed End/Main Draft  
Operating Status: Operating  
Initial Installation Date: 06/01/1985  
Manufacturer: MIKRO-PUL  
Model: 165-8-30

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 10  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 500  
Outlet Gas Flow Rate: 250  
Inlet Gas Temp: 90  
Outlet Gas Temp: 60

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P006-E

## Control Equipment : P006-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P006-2  
Company Description: Copper Calciner 1 - Packaging Dust Collector  
Operating Status: Operating Initial Installation Date: 06/01/1992  
Manufacturer: FLEX-KLEEN Model: 36-BVBC-16

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 5  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 500  
Outlet Gas Flow Rate: 500  
Inlet Gas Temp: 90  
Outlet Gas Temp: 90

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P006-F

## Control Equipment : P006-3

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse

DAPC Description:

Company ID: P006-3

Company Description: Copper Calciner 1 - Feed Receiver

Operating Status: Operating

Initial Installation Date:

Manufacturer:

Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Cartridge

Equipment Description:

Pressure type:

Fabric Cleaning Mechanism:

Operating Pressure Drop Range: TBD

Lime Injection/fabric Coating Agent: No

Lime Injection/Fabric Coating Agent N/A  
Type:

Lime Injection/Fabric Coating Feed N/A  
Rate:

Bag Leak Detection System: No

Inlet Gas Flow Rate: 620

Outlet Gas Flow Rate: 620

Inlet Gas Temp: 70

Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

## Control Equipment : P009-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P009-1  
Company Description: RC #4 Dust Collector 4a  
Operating Status: Operating  
Initial Installation Date: 06/01/1984  
Manufacturer: CARBORUNDUM  
Model: 440-CN

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1000  
Outlet Gas Flow Rate: 1000  
Inlet Gas Temp: 300  
Outlet Gas Temp: 250

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PM10 (Filt) - Primary PM10, Filterable Portion Only	99	99	99	98.01

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P009-A

## Control Equipment : P009-2/P080-3

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P009-2/P080-3  
Company Description: TRI-MER scrubber for NOx.  
Operating Status: Operating  
Initial Installation Date: 06/01/1983  
Manufacturer: TRI-MER  
Model: CUSTOM

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description: TRI-MER Custom  
Operating Pressure Drop Range: >0.2  
pH Range for Scrubbing Liquid: > 9  
Scrubber Liquid Recirculated: Yes  
Scrubber Liquid Flow Rate: >50gpm  
Scrubber Liquid Supply Pressure:  
Inlet Gas Flow Rate: 1500  
Outlet Gas Flow Rate: 1500  
Inlet Gas Temp: 150  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
NOx - Nitrogen Oxides	95	90	100	90

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P009/P080-E

## Control Equipment : P009-3

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P009-3  
Company Description: RC #4 Dust Collector 4b  
Operating Status: Operating  
Initial Installation Date: 06/01/1984  
Manufacturer: FLEX-KLEEN  
Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent PTFE-lined  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1000  
Outlet Gas Flow Rate: 1000  
Inlet Gas Temp: 350  
Outlet Gas Temp: 200

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PM10 (Filt) - Primary PM10, Filterable Portion Only	99	99	99	98.01

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P009-Disch.

## Control Equipment : P010

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Other  
DAPC Description:  
Company ID: P010  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1995  
Manufacturer: SALEM-ENGELHARD  
Model: UNKNOWN

### - Specific Equipment Type information

Equipment Description: FIRED CATALYST BED

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points



## Control Equipment : P010 SCR

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: NOx Reduction Technology  
DAPC Description: Rotary Calciners 1,2,3 (E-14)  
Company ID: P010 SCR  
Company Description: Rotary Calciners 2,3  
Operating Status: Operating  
Initial Installation Date: 01/01/1996  
Manufacturer: Salem  
Model: ERM Knows

### - Specific Equipment Type information

Catalytic Reduction Type: Selective Catalytic  
Reagent Type: Aqua Ammonia 29%  
Reagent Injection Rate - specify .8 gpm  
units:  
Reagent Slip Conc. - specify units: <100 ppm  
Inlet Gas Flow Rate: 2000  
Inlet Gas Temp: 220  
Outlet Gas Temp: 700

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
NOx - Nitrogen Oxides	99	99	99	98.01

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

SCR Stack

## Control Equipment : P010-1 (F-1)

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description: Rotary Calciners 1,2,3 (E-14)  
Company ID: P010-1 (F-1)  
Company Description: F-1 Scrubber for Rotary Calciners 1,2,3 (E-14)  
Operating Status: Operating Initial Installation Date: 06/01/1968  
Manufacturer: Heil Model: FISC

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description: F-1 Scrubber  
Operating Pressure Drop Range: 1.5  
pH Range for Scrubbing Liquid: N/A  
Scrubber Liquid Recirculated: Yes  
Scrubber Liquid Flow Rate: 75  
Scrubber Liquid Supply Pressure: N/A  
Inlet Gas Flow Rate: 2523  
Outlet Gas Flow Rate: 2523  
Inlet Gas Temp: 200  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PM10 - Primary PM10 (Includes Filterables + Condensibles) (PM<10 Microns)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P010-A (F-1)

## Control Equipment : P018-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P018-1  
Company Description: P018-1 - Wyssmont Dryer  
Operating Status: Operating  
Initial Installation Date: 06/01/1970  
Manufacturer: PANGBORN  
Model: S100-8

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4800  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 220  
Outlet Gas Temp: 150

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Control equipment(s) directly associated with this control equipment

P018-S1y

## Control Equipment : P018-Sly

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber

DAPC Description:

Company ID: P018-Sly

Company Description: P018 - Wyssmont Dryer Sly Scrubber

Operating Status: Operating

Initial Installation Date: 06/01/1960

Manufacturer: Sly

Model:

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed

Equipment Description: Wet packed bed scrubber for vapor and PM control

Operating Pressure Drop Range: >1

pH Range for Scrubbing Liquid: N/A

Scrubber Liquid Recirculated: Yes

Scrubber Liquid Flow Rate: >2

Scrubber Liquid Supply Pressure: N/A

Inlet Gas Flow Rate: 6000

Outlet Gas Flow Rate: 4000

Inlet Gas Temp: 200

Outlet Gas Temp: 100

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
Nitric Acid	95	95	100	95
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P018

## Control Equipment : P022-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber

DAPC Description:

Company ID: P022-1

Company Description:

Operating Status: Operating

Initial Installation Date: 06/01/1982

Manufacturer: INTERSTATE PLASTICS

Model: CUSTOM

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed

Equipment Description:

Operating Pressure Drop Range: 4

pH Range for Scrubbing Liquid: 12-14

Scrubber Liquid Recirculated: 12-14

Scrubber Liquid Flow Rate:

Scrubber Liquid Supply Pressure:

Inlet Gas Flow Rate: 4600

Outlet Gas Flow Rate:

Inlet Gas Temp: 100

Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P022-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P022-2  
Company Description:  
Operating Status: Operating  
Initial Installation Date:  
Manufacturer: CARBORUNDUM  
Model: CUSTOM

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 4  
Lime Injection/fabric Coating Agent: 4  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 1000  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P024

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Other  
DAPC Description:  
Company ID: P024  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1991  
Manufacturer: VIRON  
Model: VVS-6060

### - Specific Equipment Type information

Equipment Description: PACKED TOWER

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P024-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Tank Area  
Company ID: P024-1  
Company Description: Dust Collector #8 (58807528)  
Operating Status: Operating  
Initial Installation Date: 01/01/1993  
Manufacturer: FLEX-KLEEN  
Model: 100WSBS49

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Dust Collector #8 (58807528)  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: >0.1  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 2800  
Outlet Gas Flow Rate: 2800  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	99	98.01

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P024-B



## Control Equipment : P024-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description: Tank Area  
Company ID: P024-2  
Company Description: Tank Area  
Operating Status: Operating  
Initial Installation Date: 01/01/1968  
Manufacturer: Automotive Rubber Co.  
Model: Custom

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description:  
Operating Pressure Drop Range: 8  
pH Range for Scrubbing Liquid: n/a  
Scrubber Liquid Recirculated: n/a  
Scrubber Liquid Flow Rate:  
Scrubber Liquid Supply Pressure:  
Inlet Gas Flow Rate: 3400  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P024-3 - F-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description: Tank Area  
Company ID: P024-3 - F-2  
Company Description: P024-3 - Tank Area F-2 Scrubber  
Operating Status: Operating  
Initial Installation Date: 01/01/1992  
Manufacturer: Viron Corp  
Model: VVS-6060

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description: F-2 Scrubber  
Operating Pressure Drop Range: 8  
pH Range for Scrubbing Liquid:  
Scrubber Liquid Recirculated: No  
Scrubber Liquid Flow Rate: > 25  
Scrubber Liquid Supply Pressure:  
Inlet Gas Flow Rate: 10000  
Outlet Gas Flow Rate: 8000  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	95	90.25

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P024/P086-A

## Control Equipment : P025

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P025  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1968  
Manufacturer: AUTOMOTIVE RUBBER CO.  
Model: NONE

### - Specific Equipment Type information

Wet Scrubber Type: Venturi  
Equipment Description:  
Operating Pressure Drop Range: 8.1  
pH Range for Scrubbing Liquid:  
Scrubber Liquid Recirculated:  
Scrubber Liquid Flow Rate:  
Scrubber Liquid Supply Pressure:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P025-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Two Lilliford Mixers  
Company ID: P025-1  
Company Description: #2 Littleford Mixer  
Operating Status: Operating  
Initial Installation Date: 01/01/1993  
Manufacturer: FlexKleen  
Model: 100WSBS-8IIIg

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 0  
Lime Injection/fabric Coating Agent: 0  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P025-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Two Lilliford Mixers  
Company ID: P025-2  
Company Description: Two Lilliford Mixers  
Operating Status: Operating  
Manufacturer: FlexKleen  
Initial Installation Date: 01/01/1993  
Model: 100WSBS-64IIIG

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 4-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 3600  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P026 A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P026 A  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1968  
Manufacturer: PANGBORN  
Model: 1000 CN

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 2-6  
Lime Injection/fabric Coating Agent: 2-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 1268  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 86  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	99	98.01

### - Associated Control Equipments And Egress Points

## Control Equipment : P026 B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber

DAPC Description:

Company ID: P026 B

Company Description: Wet Scrubber

Operating Status: Operating

Initial Installation Date: 06/01/1968

Manufacturer: AUTOMOTIVE RUBBER CO.

Model: UNKNOWN

### - Specific Equipment Type information

Wet Scrubber Type: Venturi

Equipment Description:

Operating Pressure Drop Range: 8.1

pH Range for Scrubbing Liquid:

Scrubber Liquid Recirculated:

Scrubber Liquid Flow Rate:

Scrubber Liquid Supply Pressure:

Inlet Gas Flow Rate: 0

Outlet Gas Flow Rate:

Inlet Gas Temp: 0

Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95

### - Associated Control Equipments And Egress Points

## Control Equipment : P026 C

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P026 C  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1968  
Manufacturer: PANGBORN  
Model: 500 CN

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: 1-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points



## Control Equipment : P026-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Two Abbey Blenders  
Company ID: P026-1  
Company Description: Two Abbey Blenders  
Operating Status: Operating  
Initial Installation Date: 01/01/1968  
Manufacturer: PANGBORN  
Model: 1000CN

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 4  
Lime Injection/fabric Coating Agent: 4  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 1300  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P027

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P027  
Company Description: Gen Cat Littleford Mixer #1  
Operating Status: Operating  
Initial Installation Date: 01/01/1982  
Manufacturer: Flexkleen  
Model: 100 WSBS-64 IIIG

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: pulse jet baghouse  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse jet  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/a  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1950  
Outlet Gas Flow Rate: 1950  
Inlet Gas Temp: 80  
Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	99	98.01

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P027

## Control Equipment : P027-1 (F11)

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Tray Dryer, Littleford Mixer  
Company ID: P027-1 (F11)  
Company Description: Tray Dryer, Littleford Mixer  
Operating Status: Operating  
Initial Installation Date: 06/01/1968  
Manufacturer: PANGBORN  
Model: 1000CN

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 4  
Lime Injection/fabric Coating Agent: 4  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 800  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P027-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Hoppers  
Company ID: P027-2  
Company Description: Hoppers  
Operating Status: Operating  
Initial Installation Date: 06/01/1968  
Manufacturer: CARBORUNDUM  
Model: 400CN-2

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: 1-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1800  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P028

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Extruders  
Company ID: P028  
Company Description: Extruders  
Operating Status: Operating  
Manufacturer: FlexKleen  
Initial Installation Date: 01/01/1993  
Model: 100WSBS-8IIIG

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 3900  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P030

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P030  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 01/01/1994  
Manufacturer: Unknown  
Model: Unknown

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: 1-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P031-Blender

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P031-Blender  
Company Description: P031 - Blender #4 (#58707106)  
Operating Status: Operating  
Initial Installation Date: 01/01/1968  
Manufacturer: Micropulsair  
Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Cartridge  
Equipment Description: Blender #4 (#58707106)  
Pressure type: negative  
Fabric Cleaning Mechanism: N/A  
Operating Pressure Drop Range: 0  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate:  
Outlet Gas Flow Rate: 1645  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P031-Blender

## Control Equipment : P031-M-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Mills  
Company ID: P031-M-1  
Company Description: P031 - Mill M-1 (#51707105)  
Operating Status: Operating  
Initial Installation Date: 01/01/1982  
Manufacturer: UAS  
Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Cartridge  
Equipment Description: Mill M-1 baghouse (#51707105)  
Pressure type: negative  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 0.5-5  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 500  
Outlet Gas Flow Rate: 400  
Inlet Gas Temp: 80  
Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P031-M-1



## Control Equipment : P031-M-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Mills  
Company ID: P031-M-2  
Company Description: P031 - Mill M-2 (#51707104)  
Operating Status: Operating  
Initial Installation Date: 01/01/1982  
Manufacturer: UAS  
Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Cartridge  
Equipment Description: Mill M-2 baghouse (#51707104)  
Pressure type: negative  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 0.5-5  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 500  
Outlet Gas Flow Rate: 400  
Inlet Gas Temp: 80  
Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P031-M-2

## Control Equipment : P034

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: mixers  
Company ID: P034  
Company Description: mixers  
Operating Status: Operating  
Manufacturer: Unknown  
Initial Installation Date:  
Model: Unknown

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 4  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: N/A  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P049

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description: Mixing Tanks  
Company ID: P049  
Company Description: Mixing Tanks  
Operating Status: Operating  
Initial Installation Date: 06/01/1976  
Manufacturer: Heil  
Model: 733

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description:  
Operating Pressure Drop Range: 3  
pH Range for Scrubbing Liquid: 7  
Scrubber Liquid Recirculated: 7  
Scrubber Liquid Flow Rate:  
Scrubber Liquid Supply Pressure:  
Inlet Gas Flow Rate: 1300  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P050-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: No 1 Dust Collector  
Company ID: P050-A  
Company Description: No 1 Dust Collector (#58319100)  
Operating Status: Operating  
Initial Installation Date: 06/01/1982  
Manufacturer: EVO Corp  
Model: 84 NFO 64 C

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4200  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	99	98.01

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P050A,B,C,D

## Control Equipment : P050-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: No 1 Dust Collector  
Company ID: P050-B  
Company Description: No 2 Dust Collector (#58333115 [east])  
Operating Status: Operating  
Initial Installation Date: 06/01/1982  
Manufacturer: Mikro  
Model: 84 NFO 64 C

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4200  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P051

## Control Equipment : P050-C

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: No 1 Dust Collector  
Company ID: P050-C  
Company Description: No 3 Dust Collector (#58333114 [west])  
Operating Status: Operating  
Initial Installation Date: 06/01/1982  
Manufacturer: Mikro  
Model: 84 NFO 64 C

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: catridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4200  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P051

## Control Equipment : P050-D

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: No. 4 Dust Collector  
Company ID: P050-D  
Company Description: No. 4 Dust Collector  
Operating Status: Operating  
Manufacturer: EVO Corp  
Initial Installation Date: 06/01/1982  
Model: 84 NFO 64 C

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4200  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P051-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Blender/Tabletting  
Company ID: P051-1  
Company Description: Blender/Tabletting  
Operating Status: Operating  
Initial Installation Date: 06/01/1961  
Manufacturer: W.W Sly  
Model: Sly Dust Filter 22

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 925  
Outlet Gas Flow Rate: 600  
Inlet Gas Temp: 75  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95

### - Associated Control Equipments And Egress Points



## Control Equipment : P051-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Nickel Tabletting Collector  
Company ID: P051-2  
Company Description: Nickel Tabletting Collector  
Operating Status: Operating  
Initial Installation Date: 06/01/1979  
Manufacturer: Norther Blower Co  
Model: 120 Norblo Std Bag

### - Specific Equipment Type information

Filter/Baghouse Type: Reverse Air  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2284  
Outlet Gas Flow Rate: 1900  
Inlet Gas Temp: 86  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95

### - Associated Control Equipments And Egress Points

## Control Equipment : P053-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Blender/Pulverizer D. Collector  
Company ID: P053-A  
Company Description: Blender/Pulverizer D. Collector  
Operating Status: Operating  
Manufacturer: W. W. Sly  
Initial Installation Date: 06/01/1961  
Model: Dust Filter #22

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 4-6  
Lime Injection/fabric Coating Agent: 4-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 925  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 75  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P053-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Ni Tableting Dust Collector  
Company ID: P053-B  
Company Description: Ni Tableting Dust Collector  
Operating Status: Operating  
Initial Installation Date: 06/01/1979  
Manufacturer: Northern Blower Co.  
Model: #120 Norblo Std Bag

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 4-6  
Lime Injection/fabric Coating Agent: 4-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 2284  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 86  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P054-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: No 5 Dust Collector  
Company ID: P054-A  
Company Description: No 5 Dust Collector  
Operating Status: Operating  
Manufacturer: EVO Corp  
Initial Installation Date: 06/01/1982  
Model: 84 NFO 72 C

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 5000  
Outlet Gas Flow Rate: 4000  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P054-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: No 6 Dust Collector  
Company ID: P054-B  
Company Description: No 6 Dust Collector  
Operating Status: Operating  
Manufacturer: EVO Corp  
Initial Installation Date: 06/01/1982  
Model: 84 NFO 64 C

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: updated  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4200  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P054-C

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: No 11 Dust Collector  
Company ID: P054-C  
Company Description: No 11 Dust Collector (#58333111)  
Operating Status: Operating  
Initial Installation Date: 06/01/1982  
Manufacturer: EVO Corp  
Model: 84 NFO 64 C

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4200  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P098-A

## Control Equipment : P055-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description: Zinc Mix Scrubber  
Company ID: P055-A  
Company Description: Zinc Mix Scrubber  
Operating Status: Operating  
Initial Installation Date: 06/01/1962  
Manufacturer: Norton Chemical products  
Model: 795-AB

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description: Zinc Mix Scrubber  
Operating Pressure Drop Range: unknown  
pH Range for Scrubbing Liquid: 5-8  
Scrubber Liquid Recirculated: Yes  
Scrubber Liquid Flow Rate: >5  
Scrubber Liquid Supply Pressure: N/A  
Inlet Gas Flow Rate: 447  
Outlet Gas Flow Rate: 375  
Inlet Gas Temp: 77  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	95	90.25

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P055-A

## Control Equipment : P055-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Zn Mix Dust Collector  
Company ID: P055-B  
Company Description: Zn Mix Dust Collector  
Operating Status: Operating  
Initial Installation Date: 06/01/1982  
Manufacturer: Pangborne  
Model: 400 CN

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 4-6  
Lime Injection/fabric Coating Agent: 4-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 1000  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points



## Control Equipment : P056-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Cyclone/Multiclone  
DAPC Description: N. Side Dynaclone Collector  
Company ID: P056-A  
Company Description: N. Side Dynaclone Collector  
Operating Status: Operating  
Manufacturer: W. W. Sly  
Initial Installation Date: 06/01/1957  
Model: Dynaclone #12 C

### - Specific Equipment Type information

Cyclone Type: Simple  
Equipment Description:  
Operating Pressure Drop Range: 4-6  
Inlet Gas Flow Rate: 981  
Outlet Gas Flow Rate:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P058-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Pulverizers (E & W C Mills)  
Company ID: P058-1  
Company Description: Pulverizers (E & W C Mills)  
Operating Status: Operating  
Manufacturer: FLEX-KLEEN  
Initial Installation Date: 10/01/1990  
Model: 84-WRBS-64111G

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 4.4  
Lime Injection/fabric Coating Agent: 4.4  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 1000  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 68  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P058-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Pulverizers (E & W C Mills)  
Company ID: P058-2  
Company Description: Pulverizers (E & W C Mills)  
Operating Status: Operating  
Manufacturer: FLEX-KLEEN  
Initial Installation Date: 10/01/1990  
Model: 84-WRBS-64111G

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: 1-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 1000  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 68  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P059-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: E-12801,12802  
Company ID: P059-1  
Company Description: E-12801,12802  
Operating Status: Operating  
Manufacturer: Flex-Kleen  
Initial Installation Date: 06/01/1989  
Model: 84 CTBC-42 II

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: 1-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 1200  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P059-1,2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P059-1,2  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1989  
Manufacturer: FLEX-KLEEN  
Model: 84-CTBC-42

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: positive  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 0-4  
Lime Injection/fabric Coating Agent: 0-4  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 1200  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 150  
Outlet Gas Temp: 150

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P059-A,B

## Control Equipment : P059-3,4,5

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P059-3,4,5  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1990  
Manufacturer: FLEX-KLEEN  
Model: 84-CTBC-42

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: positive  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1000  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P059-C,D,E

## Control Equipment : P059-6

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P059-6  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1990  
Manufacturer: FLEX-KLEEN  
Model: 84-CTBS-54

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 0-2  
Lime Injection/fabric Coating Agent: 0-2  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 2500  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 150  
Outlet Gas Temp: 150

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P059-F

## Control Equipment : P068-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P068-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1985  
Manufacturer: AMERICAN AIR FILTER  
Model: B SIZE 12-144-2309

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 4  
Lime Injection/fabric Coating Agent: 4  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 14600  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 265  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points



## Control Equipment : P069-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse

DAPC Description:

Company ID: P069-1

Company Description: P069-1 - PK Blender #1 Dust Collector (58107100)

Operating Status: Operating

Initial Installation Date: 01/01/1976

Manufacturer: Flex Kleen

Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet

Equipment Description:

Pressure type:

Fabric Cleaning Mechanism:

Operating Pressure Drop Range: 0.5-4

Lime Injection/fabric Coating Agent: 0.5-4

Lime Injection/Fabric Coating Agent  
Type:

Lime Injection/Fabric Coating Feed  
Rate:

Bag Leak Detection System: No

Inlet Gas Flow Rate:

Outlet Gas Flow Rate: 1400

Inlet Gas Temp: 70

Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P069-A

## Control Equipment : P070-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P070-1  
Company Description: P070-1  
Operating Status: Operating  
Initial Installation Date: 06/01/1992  
Manufacturer: VIRON INTERNATIONAL  
Model: VVS2436-FRP

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description: Ammonia scrubber  
Operating Pressure Drop Range: >1  
pH Range for Scrubbing Liquid: N/A  
Scrubber Liquid Recirculated: No  
Scrubber Liquid Flow Rate: >20  
Scrubber Liquid Supply Pressure: N/A  
Inlet Gas Flow Rate: 3000  
Outlet Gas Flow Rate: 2500  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
Nitric Acid	85	85	100	85

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P070-A

## Control Equipment : P070-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P070-2  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1982  
Manufacturer: INTERSTATE PLASTICS  
Model: 15

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description:  
Operating Pressure Drop Range: >1  
pH Range for Scrubbing Liquid: N/A  
Scrubber Liquid Recirculated: No  
Scrubber Liquid Flow Rate: >25  
Scrubber Liquid Supply Pressure: N/A  
Inlet Gas Flow Rate: 1500  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points

## Control Equipment : P070-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Gravity Bed Separator  
Company ID: P070-A  
Company Description: Strike Tank (T-13) DC (previously used for Gravity Bed Separator)  
Operating Status: Operating  
Initial Installation Date: 01/01/2001  
Manufacturer: TORIT  
Model: DFT3-12

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: positive  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 4  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4000  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P070-DC

## Control Equipment : P070-Heil

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P070-Heil  
Company Description: P070 Heil Acid Scrubber  
Operating Status: Operating  
Initial Installation Date: 12/01/2013  
Manufacturer: Heil  
Model:

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description: Acid Scrubber  
Operating Pressure Drop Range: 0-3.5  
pH Range for Scrubbing Liquid: 8-10  
Scrubber Liquid Recirculated: Yes  
Scrubber Liquid Flow Rate: >20  
Scrubber Liquid Supply Pressure:  
Inlet Gas Flow Rate: 2100  
Outlet Gas Flow Rate: 1636  
Inlet Gas Temp: 185  
Outlet Gas Temp: 75

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
Nitric Acid	99.5	99.5	100	99.5

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P070

## Control Equipment : P072-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P072-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1980  
Manufacturer: W.W.SLY  
Model: PC204

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 5  
Lime Injection/fabric Coating Agent: 5  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 2000  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P077-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P077-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1982  
Manufacturer: EVO CORP  
Model: 84 NFO 64C

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 3  
Lime Injection/fabric Coating Agent: 3  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 4200  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 100  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P077-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P077-2  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1983  
Manufacturer: INTERSTATES PLASTICS  
Model: FRP 4000 CFM

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description:  
Operating Pressure Drop Range: 5  
pH Range for Scrubbing Liquid: 5-10  
Scrubber Liquid Recirculated: 5-10  
Scrubber Liquid Flow Rate:  
Scrubber Liquid Supply Pressure:  
Inlet Gas Flow Rate: 4000  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points



## Control Equipment : P080-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P080-1  
Company Description: RC #5A Collector  
Operating Status: Operating  
Initial Installation Date: 01/01/1996  
Manufacturer: FLEX-KLEEN  
Model: 84-BVBS-253G

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: FLEX-KLEEN 84-BVBS-253G  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1000  
Outlet Gas Flow Rate: 1000  
Inlet Gas Temp: 210  
Outlet Gas Temp: 210

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PM10 (Filt) - Primary PM10, Filterable Portion Only	99	99	99	98.01

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P080-A

## Control Equipment : P080-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P080-2  
Company Description: RC #5B Collector  
Operating Status: Operating  
Initial Installation Date: 06/01/1984  
Manufacturer: ULTRA IND  
Model: BV-49-100

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1800  
Outlet Gas Flow Rate: 1500  
Inlet Gas Temp: 239  
Outlet Gas Temp: 200

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PM10 (Filt) - Primary PM10, Filterable Portion Only	99	99	99	98.01

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P080-B

## Control Equipment : P080-3

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P080-3  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1971  
Manufacturer: Pulverizing Machinery  
Model: 57-8-70

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: 1-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P082-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P082-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1990  
Manufacturer: FLEX-KLEEN  
Model: 58 CTDC 14

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 2  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 200  
Outlet Gas Flow Rate: 200  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P082-I

## Control Equipment : P083-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P083-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1985  
Manufacturer: DCE VOKES  
Model: UMA 454 GII

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 3  
Lime Injection/fabric Coating Agent: 3  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 2300  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P083-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P083-2  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1966  
Manufacturer: NORTHERN BLOWER CO  
Model: 68-ECH BA-LO

### - Specific Equipment Type information

Filter/Baghouse Type: Reverse Air  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 5  
Lime Injection/fabric Coating Agent: 5  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 2000  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P083-A/P089-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Sagger Loading (Uncalcined)  
Company ID: P083-A/P089-A  
Company Description: Sagger Loading (Uncalcined)  
Operating Status: Operating  
Manufacturer: FLEX-KLEEN  
Initial Installation Date: 06/01/1991  
Model: 522-07-171

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 2-4  
Lime Injection/fabric Coating Agent: 2-4  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 2300  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P083-B/P089-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Sagger Unloading (Calcined)  
Company ID: P083-B/P089-B  
Company Description: Sagger Unloading (Calcined)  
Operating Status: Operating  
Manufacturer: FLEX-KLEEN  
Initial Installation Date: 06/01/1991  
Model: 522-07-170

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 2-4  
Lime Injection/fabric Coating Agent: 2-4  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 2300  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points



## Control Equipment : P084-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P084-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1988  
Manufacturer: HBIL  
Model: 710

### - Specific Equipment Type information

Wet Scrubber Type: Spray Chamber  
Equipment Description: Ammonia scrubber  
Operating Pressure Drop Range: N/A  
pH Range for Scrubbing Liquid: 6-10  
Scrubber Liquid Recirculated: No  
Scrubber Liquid Flow Rate: >20  
Scrubber Liquid Supply Pressure: N/A  
Inlet Gas Flow Rate: 800  
Outlet Gas Flow Rate: 700  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P084-A

## Control Equipment : P084-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P084-2  
Company Description: Sodium sulfide scrubber  
Operating Status: Operating  
Initial Installation Date: 06/01/1988  
Manufacturer: OTO YORK  
Model: C-2

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description: Sodium sulfide scrubber  
Operating Pressure Drop Range: N/A  
pH Range for Scrubbing Liquid: 9-10  
Scrubber Liquid Recirculated: No  
Scrubber Liquid Flow Rate: >2  
Scrubber Liquid Supply Pressure: N/A  
Inlet Gas Flow Rate: 66  
Outlet Gas Flow Rate: 50  
Inlet Gas Temp: 150  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P084-B

## Control Equipment : P085-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P085-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1991  
Manufacturer: FLEX-KLEEN  
Model: 84-BVBC-36

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: 1-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 200  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 400  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P086-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P086-1  
Company Description: Viron Scrubber #2  
Operating Status: Operating  
Initial Installation Date: 06/01/1991  
Manufacturer: VIRON  
Model: VVS-6060-FRP-10-72-S

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description:  
Operating Pressure Drop Range: >1  
pH Range for Scrubbing Liquid: N/A  
Scrubber Liquid Recirculated: Yes  
Scrubber Liquid Flow Rate: >2  
Scrubber Liquid Supply Pressure: N/A  
Inlet Gas Flow Rate: 10000  
Outlet Gas Flow Rate: 9000  
Inlet Gas Temp: 80  
Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P086-1

## Control Equipment : P086-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P086-2  
Company Description: Viron Scrubber #3  
Operating Status: Operating  
Initial Installation Date: 06/01/1991  
Manufacturer: VIRON  
Model: VVS-6060-FRP-10-72-S

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description:  
Operating Pressure Drop Range: >1  
pH Range for Scrubbing Liquid: N/A  
Scrubber Liquid Recirculated: Yes  
Scrubber Liquid Flow Rate: >2  
Scrubber Liquid Supply Pressure: N/A  
Inlet Gas Flow Rate: 10000  
Outlet Gas Flow Rate: 9000  
Inlet Gas Temp: 80  
Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P086-2

## Control Equipment : P087

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P087  
Company Description: P087 - Nauta Blender (#517074000)  
Operating Status: Operating  
Initial Installation Date: 01/01/1987  
Manufacturer: Flex Kleen  
Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 0.5 - 4  
Lime Injection/fabric Coating Agent: 0.5 - 4  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1200  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P087

## Control Equipment : P089-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P089-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1985  
Manufacturer: DCE VOKES  
Model: UMA 454 GIL

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 3  
Lime Injection/fabric Coating Agent: 3  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 800  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 800  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P090-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P090-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1994  
Manufacturer: FLEX-KLEEN  
Model: 36-BVTC-25-III

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 270  
Outlet Gas Flow Rate: 200  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)

### - Associated Control Equipments And Egress Points



## Control Equipment : P092-DC

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P092-DC  
Company Description: #6 Calciner Product Discharge Dust Collection  
Operating Status: Operating Initial Installation Date: 12/01/2013  
Manufacturer: Donaldson Torit Model: DFO 2-2 TEFC

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Pulse-jet fabric filter with HEPA after-filter  
Pressure type: negative  
Fabric Cleaning Mechanism: pulse air  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1200  
Outlet Gas Flow Rate: 900  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

## Control Equipment : P094-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P094-1  
Company Description: Product Collector (Integral to the Process)  
Operating Status: Operating  
Initial Installation Date: 06/01/1994  
Manufacturer: FLEX-KLEEN  
Model: M-35258

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 3500  
Outlet Gas Flow Rate: 3000  
Inlet Gas Temp: 300  
Outlet Gas Temp: 280

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P095-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Copper Calciner #2  
Company ID: P095-A  
Company Description: Copper Calciner #2  
Operating Status: Operating  
Initial Installation Date: 04/01/1996  
Manufacturer: FLEX-KLEEN  
Model: 84-BVBS-253G

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1300  
Outlet Gas Flow Rate: 1000  
Inlet Gas Temp: 100  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P095-A

## Control Equipment : P095-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Copper Calciner #2  
Company ID: P095-B  
Company Description: Copper Calciner #2  
Operating Status: Operating  
Initial Installation Date: 04/01/1996  
Manufacturer: FLEX-KLEEN  
Model: 84-BVBS-253

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1300  
Outlet Gas Flow Rate: 1000  
Inlet Gas Temp: 100  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P095-B

## Control Equipment : P095-C

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Copper Calciner #2  
Company ID: P095-C  
Company Description: Copper Calciner #2  
Operating Status: Operating  
Initial Installation Date: 04/01/1996  
Manufacturer: FLEX-KLEEN  
Model: 84-BVBS-2636

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1300  
Outlet Gas Flow Rate: 1000  
Inlet Gas Temp: 100  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P095-C

## Control Equipment : P096-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Horne Tabletters  
Company ID: P096-A  
Company Description: P096-A - Horne Tabletting Machines (#2262)  
Operating Status: Operating  
Initial Installation Date: 01/01/1993  
Manufacturer: Roto Lok  
Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 0.5 - 4  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 800  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P096-A

## Control Equipment : P096-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Horne Tabletters  
Company ID: P096-B  
Company Description: P096-B - Horne Tabletting Machines (#2264)  
Operating Status: Operating  
Initial Installation Date: 01/01/1993  
Manufacturer: Roto Lok  
Model:

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 0.5 - 4  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 800  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 70  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P096-B

## Control Equipment : P097-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: P097-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1974  
Manufacturer: Custom Made  
Model: None

### - Specific Equipment Type information

Wet Scrubber Type: Spray Chamber  
Equipment Description:  
Operating Pressure Drop Range: 1-3  
pH Range for Scrubbing Liquid: 6-9  
Scrubber Liquid Recirculated: 6-9  
Scrubber Liquid Flow Rate:  
Scrubber Liquid Supply Pressure:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points



## Control Equipment : P097-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P097-2  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1974  
Manufacturer: W. W. Sly  
Model: Unknown

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 6-10  
Lime Injection/fabric Coating Agent: 6-10  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P097-3

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P097-3  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1974  
Manufacturer: W. W. Sly  
Model: Unknown

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 6-10  
Lime Injection/fabric Coating Agent: 6-10  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P098-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: East Bldg. 25 Tableting  
Company ID: P098-1  
Company Description: East Bldg. 25 Tableting  
Operating Status: Operating  
Manufacturer: W. W. Sly  
Initial Installation Date: 06/01/1974  
Model: Unknown

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 6-10  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 9999  
Outlet Gas Flow Rate: 8000  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : P099-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: PK Blender  
Company ID: P099-A  
Company Description: PK Blender  
Operating Status: Operating  
Manufacturer: FLEX-KLEEN  
Initial Installation Date: 10/01/1997  
Model: 84WSBS

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2000  
Outlet Gas Flow Rate: 1500  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P099-A

## Control Equipment : P099-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber

DAPC Description:

Company ID: P099-B

Company Description: P099-B

Operating Status: Operating

Initial Installation Date: 09/01/1997

Manufacturer: HEIL

Model: #73

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed

Equipment Description: Building 9 Scrubber

Operating Pressure Drop Range: >1

pH Range for Scrubbing Liquid: N/A

Scrubber Liquid Recirculated: Yes

Scrubber Liquid Flow Rate: >1

Scrubber Liquid Supply Pressure: N/A

Inlet Gas Flow Rate: 70

Outlet Gas Flow Rate: 60

Inlet Gas Temp: 70

Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P099-B

## Control Equipment : P100

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Tunnel Kiln #2  
Company ID: P100  
Company Description: Tunnel Kiln #2-Material Handling  
Operating Status: Operating  
Initial Installation Date: 06/01/1968  
Manufacturer: PANGBORN  
Model: CN400

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: SH  
Operating Pressure Drop Range: 4-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2380  
Outlet Gas Flow Rate: 2000  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P100

## Control Equipment : P101

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Tunnel Kiln #3  
Company ID: P101  
Company Description: Tunnel Kiln #3  
Operating Status: Operating  
Initial Installation Date: 09/01/1998  
Manufacturer: FLEX-KLEEN  
Model: 100-WSBC-8111IG

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: RA  
Operating Pressure Drop Range: 3-5  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2000  
Outlet Gas Flow Rate: 1800  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	95	94.05

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P101

## Control Equipment : P104

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Iron catalyst mixing (P104)  
Company ID: P104  
Company Description: Iron catalyst mixing (P104)  
Operating Status: Operating  
Manufacturer: Flex-Kleen  
Initial Installation Date: 07/01/1998  
Model: 10-WSBS-81 (111G)

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-5  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4000  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	99	98.01

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P104-A



## Control Equipment : P106-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: National Dryer  
Company ID: P106-A  
Company Description: National Dryer  
Operating Status: Operating  
Manufacturer: FLEX-KLEEN  
Initial Installation Date: 10/01/2001  
Model: 30/36-PXB4-100

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: positive  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: >0.1  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 10000  
Outlet Gas Flow Rate: 9000  
Inlet Gas Temp: 230  
Outlet Gas Temp: 200

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	100	99

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P106-A

## Control Equipment : P110-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P110-1  
Company Description: P110-1 - General Catalyst Mixer #3 Dust Collector  
Operating Status: Operating  
Initial Installation Date: 01/01/1968  
Manufacturer: Flex Kleen  
Model: 100 WSBS-64 IIIG

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Dust Collector #58807305  
Pressure type: Dust Collector #58807305  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 0.5-5  
Lime Injection/fabric Coating Agent: 0.5-5  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate:  
Outlet Gas Flow Rate:  
Inlet Gas Temp:  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE (Filt) - Primary PM, Filterable Portion Only	99	99	99	98.01

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P025-B

## Control Equipment : P127-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse

DAPC Description:

Company ID: P127-A

Company Description: Tablet Machines 1-6, Briquettor, and Screeners Fabric Filter (South Dust Collector)

Operating Status: Operating

Initial Installation Date: 01/01/2010

Manufacturer: Torit

Model: DFO2-8

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet

Equipment Description: Pulse-jet fabric filter

Pressure type: negative

Fabric Cleaning Mechanism: air pulse jet

Operating Pressure Drop Range: 0.5 - 4

Lime Injection/fabric Coating Agent: No

Lime Injection/Fabric Coating Agent N/A  
Type:

Lime Injection/Fabric Coating Feed N/A  
Rate:

Bag Leak Detection System: No

Inlet Gas Flow Rate: 4000

Outlet Gas Flow Rate: 3600

Inlet Gas Temp: 70

Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P127-A

## Control Equipment : P127-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P127-B  
Company Description: Tablet Machines 7-12 Fabric Filter (North Dust Filter)  
Operating Status: Operating  
Initial Installation Date:  
Manufacturer: Torit  
Model: DFO2-8

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Pulse-jet fabric filter  
Pressure type: negative  
Fabric Cleaning Mechanism: air pulse jet  
Operating Pressure Drop Range: 0.5 - 4  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4000  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P127-B

## Control Equipment : P127-C

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: P127-C  
Company Description: Tablet Machines 13-18 Fabric Filter (Middle Dust Collector)  
Operating Status: Operating  
Initial Installation Date:  
Manufacturer: Torit  
Model: DFO2-8

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: Pulse-jet fabric filter  
Pressure type: negative  
Fabric Cleaning Mechanism: air pulse jet  
Operating Pressure Drop Range: 0.5 - 4  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 4000  
Outlet Gas Flow Rate: 3600  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

P127-C

## Control Equipment : Sly Scrubber

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber

DAPC Description:

Company ID: Sly Scrubber

Company Description: Sly Scrubber (P092 and P130)

Operating Status: Operating

Initial Installation Date: 01/01/2000

Manufacturer: Sly Products

Model:

### - Specific Equipment Type information

Wet Scrubber Type: Impingement

Equipment Description: Wet scrubber for vapor absorption, low level nitrates

Operating Pressure Drop Range: >1

pH Range for Scrubbing Liquid: N/A

Scrubber Liquid Recirculated: Yes

Scrubber Liquid Flow Rate: >2

Scrubber Liquid Supply Pressure: N/A

Inlet Gas Flow Rate: 19720

Outlet Gas Flow Rate: 15000

Inlet Gas Temp: 80

Outlet Gas Temp: 80

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
PE - Primary PM (Includes Filterables + Condensibles)	95	95	100	95

### - Associated Control Equipments And Egress Points

Egress points(s) directly associated with this control equipment

Sly Scrubber

## Control Equipment : Z096-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Horne Tabletters  
Company ID: Z096-A  
Company Description: Horne Tabletters  
Operating Status: Operating  
Manufacturer: Vokes  
Initial Installation Date: 06/01/1993  
Model: SU64R S7

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2750  
Outlet Gas Flow Rate: 2500  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : Z096-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Horne Tabletters  
Company ID: Z096-B  
Company Description: Horne Tabletters  
Operating Status: Operating  
Manufacturer: Vokes  
Initial Installation Date: 06/01/1993  
Model: SU64R S7

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 2750  
Outlet Gas Flow Rate: 2500  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points



## Control Equipment : Z097-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Wet Scrubber  
DAPC Description:  
Company ID: Z097-1  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1974  
Manufacturer: Custom Made  
Model: None

### - Specific Equipment Type information

Wet Scrubber Type: Packed Bed  
Equipment Description:  
Operating Pressure Drop Range: 4 - 6  
pH Range for Scrubbing Liquid: 6 - 8  
Scrubber Liquid Recirculated: 6 - 8  
Scrubber Liquid Flow Rate:  
Scrubber Liquid Supply Pressure:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : Z097-2

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: Z097-2  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1974  
Manufacturer: W. W. Sly  
Model: Unknown

### - Specific Equipment Type information

Filter/Baghouse Type: Shaker  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: 1-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : Z097-3

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description:  
Company ID: Z097-3  
Company Description:  
Operating Status: Operating  
Initial Installation Date: 06/01/1974  
Manufacturer: W. W. Sly  
Model: Unknown

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description:  
Pressure type:  
Fabric Cleaning Mechanism:  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: 1-6  
Lime Injection/Fabric Coating Agent  
Type:  
Lime Injection/Fabric Coating Feed  
Rate:  
Bag Leak Detection System:  
Inlet Gas Flow Rate: 0  
Outlet Gas Flow Rate:  
Inlet Gas Temp: 0  
Outlet Gas Temp:

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : Z098-1

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: East Bldg. 25 Tableting  
Company ID: Z098-1  
Company Description: East Bldg. 25 Tableting  
Operating Status: Operating  
Manufacturer: W. W. Sly  
Initial Installation Date: 06/01/1974  
Model: Unknown

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 9999  
Outlet Gas Flow Rate: 8000  
Inlet Gas Temp: 70  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : Z100-A

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Copper Calciner #2  
Company ID: Z100-A  
Company Description: Copper Calciner #2  
Operating Status: Operating  
Manufacturer: FLEX-KLEEN  
Initial Installation Date: 04/01/1996  
Model: 84-BVBS-253G

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1300  
Outlet Gas Flow Rate: 1000  
Inlet Gas Temp: 100  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : Z100-B

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Copper Calciner #2  
Company ID: Z100-B  
Company Description: Copper Calciner #2  
Operating Status: Operating  
Manufacturer: FLEX-Kleen  
Initial Installation Date: 04/01/1996  
Model: 84-BVBS-253

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1300  
Outlet Gas Flow Rate: 1000  
Inlet Gas Temp: 100  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Control Equipment : Z100-C

Nov 17 2016, 10:20:51

### - Control Equipment Information

Equipment Type: Filter/Baghouse  
DAPC Description: Copper Calciner #2  
Company ID: Z100-C  
Company Description: Copper Calciner #2  
Operating Status: Operating  
Manufacturer: FLEX-KLEEN  
Initial Installation Date: 04/01/1996  
Model: 84-BVBS-2636

### - Specific Equipment Type information

Filter/Baghouse Type: Pulse Jet  
Equipment Description: cartridge filter  
Pressure type: negative  
Fabric Cleaning Mechanism: PA  
Operating Pressure Drop Range: 1-6  
Lime Injection/fabric Coating Agent: No  
Lime Injection/Fabric Coating Agent N/A  
Type:  
Lime Injection/Fabric Coating Feed N/A  
Rate:  
Bag Leak Detection System: No  
Inlet Gas Flow Rate: 1300  
Outlet Gas Flow Rate: 1000  
Inlet Gas Temp: 100  
Outlet Gas Temp: 70

### - Pollutants Controlled

Pollutant	Design Control Efficiency(%)	Operating Control Efficiency(%)	Capture Efficiency(%)	Total Capture Control(%)
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### - Associated Control Equipments And Egress Points

## Egress Point : A1

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: A1  
Company Description: A1  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 95.0  
Fenceline Distance (ft): 104.0

### - Building Dimension

Length (ft): 240.0  
Width (ft): 132.0  
Height (ft): 101.0

### - Egress Latitude and Longitude

Latitude: 41.370686  
Longitude: -82.1027

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.78  
Temp At Max. Oper (F): 180.0  
Flow At Max. Oper (acfm): 3200.0  
Temp At Avg. Oper (F): 80.0  
Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : A10

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: A10  
Company Description: A10  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 75.0  
Fenceline Distance (ft): 135.0

### - Building Dimension

Length (ft): 240.0  
Width (ft): 132.0  
Height (ft): 101.0

### - Egress Latitude and Longitude

Latitude: 41.37051  
Longitude: -82.10207

### - Stack Details

Shape: Round  
Diameter (ft): 0.25  
Temp At Max. Oper (F): 180.0  
Temp At Avg. Oper (F): 80.0  
Cross Sectional Area (square ft): 0.05  
Flow At Max. Oper (acfm): 3200.0  
Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : A2

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: A2  
Company Description: A2  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 99.0  
Fenceline Distance (ft): 87.0

### - Building Dimension

Length (ft): 240.0  
Width (ft): 132.0  
Height (ft): 101.0

### - Egress Latitude and Longitude

Latitude: 41.370625  
Longitude: -82.10277

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.78  
Temp At Max. Oper (F): 500.0  
Flow At Max. Oper (acfm): 3200.0  
Temp At Avg. Oper (F): 180.0  
Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : A3

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: A3  
Company Description: A3  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 105.0  
Fenceline Distance (ft): 58.0

### - Building Dimension

Length (ft): 240.0  
Width (ft): 132.0  
Height (ft): 101.0

### - Egress Latitude and Longitude

Latitude: 41.37047  
Longitude: -82.102875

### - Stack Details

Shape: Round  
Diameter (ft): 0.33  
Temp At Max. Oper (F): 300.0  
Temp At Avg. Oper (F): 180.0  
Cross Sectional Area (square ft): 0.09  
Flow At Max. Oper (acfm): 3200.0  
Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : A4

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: A4  
Company Description: A4 (egress for Cathode-8)  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 108.0  
Fenceline Distance (ft): 48.0

### - Building Dimension

Length (ft): 240.0  
Width (ft): 132.0  
Height (ft): 101.0

### - Egress Latitude and Longitude

Latitude: 41.370743  
Longitude: -82.10289

### - Stack Details

Shape: Round  
Diameter (ft): 1.67  
Cross Sectional Area (square ft): 2.18  
Temp At Max. Oper (F): 950.0  
Flow At Max. Oper (acfm): 3500.0  
Temp At Avg. Oper (F): 800.0  
Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : A6

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: A6  
Company Description: A6 (egress for Cathode-14)  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 108.0  
Fenceline Distance (ft): 48.0

### - Building Dimension

Length (ft): 240.0  
Width (ft): 132.0  
Height (ft): 101.0

### - Egress Latitude and Longitude

Latitude: 41.370743  
Longitude: -82.103

### - Stack Details

Shape: Round  
Diameter (ft): 1.67  
Cross Sectional Area (square ft): 2.18  
Temp At Max. Oper (F): 950.0  
Temp At Avg. Oper (F): 800.0  
Flow At Max. Oper (acfm): 3500.0  
Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : A9

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: A9  
Company Description: A9  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 20.0  
Fenceline Distance (ft): 135.0

### - Building Dimension

Length (ft): 240.0  
Width (ft): 132.0  
Height (ft): 101.0

### - Egress Latitude and Longitude

Latitude: 41.37049  
Longitude: -82.10257

### - Stack Details

Shape: Round  
Diameter (ft): 0.67  
Cross Sectional Area (square ft): 0.35  
Temp At Max. Oper (F): 180.0  
Flow At Max. Oper (acfm): 3200.0  
Temp At Avg. Oper (F): 150.0  
Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : B005-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: B005-A  
Company Description: B005-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 62.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft): 75.0  
Width (ft): 50.0  
Height (ft): 25.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 2.83  
Cross Sectional Area (square ft): 6.29  
Temp At Max. Oper (F): 329.0  
Temp At Avg. Oper (F): 329.0  
Flow At Max. Oper (acfm): 7592.0  
Flow At Avg. Oper (acfm): 7592.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : B006-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: B006-A  
Company Description: B006-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft): 50.0

### - Building Dimension

Length (ft): 75.0  
Width (ft): 50.0  
Height (ft): 25.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 4  
Cross Sectional Area (square ft): 12.57  
Temp At Max. Oper (F): 450.0  
Flow At Max. Oper (acfm): 200.0  
Temp At Avg. Oper (F): 450.0  
Flow At Avg. Oper (acfm): 200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : BBLS-DF

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: BBLS-DF  
Company Description: Powder Room Bulk Bag Loading Station Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 100.0  
Release Height (ft): 20.0

### - Building Dimension

Length (ft): 200.0 Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.370834 Longitude: -82.10167

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 2.18  
Diameter (ft): 1.67  
Temp At Max. Oper (F): 80.0 Flow At Max. Oper (acfm): 4800.0  
Temp At Avg. Oper (F): 60.0 Flow At Avg. Oper (acfm): 3600.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : DC#2 Stack

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: DC#2 Stack  
Company Description: Dust Collector 2 Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 75.0  
Release Height (ft): 50.0

### - Building Dimension

Length (ft): 200.0 Width (ft): 45.0  
Height (ft): 50.0

### - Egress Latitude and Longitude

Latitude: 41.34527 Longitude: -82.10111

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 2.52  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 200.0 Flow At Max. Oper (acfm): 4000.0  
Temp At Avg. Oper (F): 150.0 Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : DC#3 Stack

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: DC#3 Stack  
Company Description: Dust Collector 3 Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 75.0  
Release Height (ft): 50.0

### - Building Dimension

Length (ft): 200.0 Width (ft): 45.0  
Height (ft): 50.0

### - Egress Latitude and Longitude

Latitude: 41.34527 Longitude: -82.10111

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 2.52  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 200.0 Flow At Max. Oper (acfm): 4000.0  
Temp At Avg. Oper (F): 150.0 Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : DC-7 Bldg 11

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: DC-7 Bldg 11  
Company Description: Stack for DC-7 outside building 11  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 100.0  
Release Height (ft): 20.0

### - Building Dimension

Length (ft) 200.0 Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.370834 Longitude: -82.10167

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 2.08  
Diameter (ft): 1.33  
Temp At Max. Oper (F): Flow At Max. Oper (acfm): 5400.0  
Temp At Avg. Oper (F): 70.0 Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : E101

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: E101  
Company Description: E101  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 25.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.5  
Temp At Max. Oper (F): 100.0  
Temp At Avg. Oper (F): 100.0  
Cross Sectional Area (square ft): 0.2  
Flow At Max. Oper (acfm): 1300.0  
Flow At Avg. Oper (acfm): 1300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : F-10-01

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: F-10-01  
Company Description: Copper Tablet Precursor Process - Bin Vent Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 100.0  
Release Height (ft): 50.0

### - Building Dimension

Length (ft): 200.0 Width (ft): 200.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.371902 Longitude: -82.10206

### - Stack Details

Shape: Other Cross Sectional Area (square ft): 2.18  
Diameter (ft): 1.67  
Temp At Max. Oper (F): 200.0 Flow At Max. Oper (acfm): 2400.0  
Temp At Avg. Oper (F): 150.0 Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : F-10-03

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: F-10-03  
Company Description: Copper Tablet Precursor Process - Dust Collector/After Filter Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Fenceline Distance (ft): 100.0  
Release Height (ft): 50.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.371902  
Longitude: -82.10206

### - Stack Details

Shape: Other  
Cross Sectional Area (square ft): 1.77  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 200.0  
Flow At Max. Oper (acfm): 1600.0  
Temp At Avg. Oper (F): 150.0  
Flow At Avg. Oper (acfm): 1600.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P-104-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P-104-A  
Company Description: P-104-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft): 50.0

### - Building Dimension

Length (ft): 40.0  
Width (ft): 50.0  
Height (ft): 10.0

### - Egress Latitude and Longitude

Latitude: 41.369446  
Longitude: -82.10135

### - Stack Details

Shape: Rectangle  
Diameter (ft): 13.23  
Cross Sectional Area (square ft): 137.5  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P001-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P001-A  
Company Description: P001-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 27.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Temp At Max. Oper (F): 77.0  
Temp At Avg. Oper (F): 77.0  
Cross Sectional Area (square ft): 1.06  
Flow At Max. Oper (acfm): 1030.0  
Flow At Avg. Oper (acfm): 1030.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P002-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P002-A  
Company Description: P002-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 19.5  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.66  
Temp At Max. Oper (F): 90.0  
Temp At Avg. Oper (F): 90.0  
Cross Sectional Area (square ft): 0.34  
Flow At Max. Oper (acfm): 838.0  
Flow At Avg. Oper (acfm): 838.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P003-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P003-A  
Company Description: P003-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 19.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.83  
Temp At Max. Oper (F): 79.0  
Temp At Avg. Oper (F): 79.0  
Cross Sectional Area (square ft): 0.54  
Flow At Max. Oper (acfm): 458.0  
Flow At Avg. Oper (acfm): 458.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P004-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P004-A  
Company Description: P004-A  
Operating Status: Operating  
Base Elevation (ft):  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft):  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft):  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P005-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P005-A  
Company Description: P005-A - Flex-Kleen Baghouse  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 24.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37174  
Longitude: -82.10141

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Cross Sectional Area (square ft): 1.77  
Temp At Max. Oper (F): 61.0  
Temp At Avg. Oper (F): 61.0  
Flow At Max. Oper (acfm): 6400.0  
Flow At Avg. Oper (acfm): 6400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P005-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P005-B  
Company Description: P005-B - Kiln Cold Zone Hood  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 20.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37174  
Longitude: -82.10141

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Cross Sectional Area (square ft): 1.77  
Temp At Max. Oper (F): 118.0  
Flow At Max. Oper (acfm): 3810.0  
Temp At Avg. Oper (F): 118.0  
Flow At Avg. Oper (acfm): 3810.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P005-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P005-C  
Company Description: P005-C - Kiln Hot Zone Hood  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 24.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37174  
Longitude: -82.10141

### - Stack Details

Shape: Round  
Diameter (ft): 2  
Cross Sectional Area (square ft): 3.14  
Temp At Max. Oper (F): 122.0  
Temp At Avg. Oper (F): 122.0  
Flow At Max. Oper (acfm): 2020.0  
Flow At Avg. Oper (acfm): 2020.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P005-D

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P005-D  
Company Description: P005-D - Kiln Heater Chimney  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 24.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 40.0  
Height (ft): 200.0

### - Egress Latitude and Longitude

Latitude: 41.37174  
Longitude: -82.10141

### - Stack Details

Shape: Round  
Diameter (ft): 0.38  
Cross Sectional Area (square ft): 0.11  
Temp At Max. Oper (F): 740.0  
Temp At Avg. Oper (F): 740.0  
Flow At Max. Oper (acfm): 3600.0  
Flow At Avg. Oper (acfm): 3600.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P006-D

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P006-D  
Company Description: P006-D  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 150.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 75.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37146  
Longitude: -82.10246

### - Stack Details

Shape: Round  
Diameter (ft): 0.83  
Cross Sectional Area (square ft): 0.54  
Temp At Max. Oper (F): 800.0  
Flow At Max. Oper (acfm): 3800.0  
Temp At Avg. Oper (F): 800.0  
Flow At Avg. Oper (acfm): 3800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P006-E

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P006-E  
Company Description: P006-E  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 25.0  
Fenceline Distance (ft): 150.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 75.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37146  
Longitude: -82.10246

### - Stack Details

Shape: Rectangle  
Diameter (ft): 0.75  
Cross Sectional Area (square ft): 0.44  
Temp At Max. Oper (F): 90.0  
Temp At Avg. Oper (F): 90.0  
Flow At Max. Oper (acfm): 500.0  
Flow At Avg. Oper (acfm): 500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P006-F

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P006-F  
Company Description: P006-F  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 25.0  
Fenceline Distance (ft): 150.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 75.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37146  
Longitude: -82.10246

### - Stack Details

Shape: Rectangle  
Diameter (ft): 0.75  
Cross Sectional Area (square ft): 0.44  
Temp At Max. Oper (F): 90.0  
Temp At Avg. Oper (F): 90.0  
Flow At Max. Oper (acfm): 500.0  
Flow At Avg. Oper (acfm): 500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P006-Feed

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P006-Feed  
Company Description: P006-Feed Receiver Filter  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 150.0

### - Building Dimension

Length (ft) 100.0  
Width (ft): 75.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37146  
Longitude: -82.10246

### - Stack Details

Shape: Round  
Diameter (ft): 0.33  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.09  
Flow At Max. Oper (acfm): 2000.0  
Flow At Avg. Oper (acfm): 2000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P006-G

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P006-G  
Company Description: P006-G  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 25.0  
Fenceline Distance (ft): 150.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 75.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37146  
Longitude: -82.10246

### - Stack Details

Shape: Rectangle  
Diameter (ft): 0.33  
Cross Sectional Area (square ft): 0.09  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Flow At Max. Oper (acfm): 620.0  
Flow At Avg. Oper (acfm): 620.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P006-Product

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P006-Product  
Company Description: P006-Product Receiver Filter  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 150.0

### - Building Dimension

Length (ft) 100.0  
Width (ft): 75.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37146  
Longitude: -82.10246

### - Stack Details

Shape: Round  
Diameter (ft): 0.33  
Temp At Max. Oper (F): 90.0  
Temp At Avg. Oper (F): 90.0  
Cross Sectional Area (square ft): 0.09  
Flow At Max. Oper (acfm): 2000.0  
Flow At Avg. Oper (acfm): 2000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P009-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P009-A  
Company Description: P009-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 17.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 250.0  
Width (ft): 75.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Rectangle  
Diameter (ft): 0.77  
Cross Sectional Area (square ft): 0.47  
Temp At Max. Oper (F): 70.0  
Flow At Max. Oper (acfm): 1000.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm): 1000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P009-Disch.

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P009-Disch.  
Company Description: P009 - Rotary Calciner #4 - Discharge Material Handling  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 75.0  
Release Height (ft): 50.0

### - Building Dimension

Length (ft) 250.0 Width (ft): 75.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude: 41.345276 Longitude: -82.10111

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 1.77  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 1200.0 Flow At Max. Oper (acfm): 2500.0  
Temp At Avg. Oper (F): 700.0 Flow At Avg. Oper (acfm): 1500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P009/080-E

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P009/080-E  
Company Description: P009/080-E  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 43.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 250.0  
Width (ft): 75.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Cross Sectional Area (square ft): 1.06  
Temp At Max. Oper (F): 90.0  
Temp At Avg. Oper (F): 90.0  
Flow At Max. Oper (acfm): 1500.0  
Flow At Avg. Oper (acfm): 1500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P009/P080-E

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P009/P080-E  
Company Description: P009/P080-E  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 43.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 250.0  
Width (ft): 75.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Cross Sectional Area (square ft): 1.06  
Temp At Max. Oper (F): 90.0  
Temp At Avg. Oper (F): 90.0  
Flow At Max. Oper (acfm): 1500.0  
Flow At Avg. Oper (acfm): 1500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P009C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P009C  
Company Description: #4 RC Exhaust  
Operating Status: Operating  
Base Elevation (ft): 715.0  
Release Height (ft): 75.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.370834  
Longitude: -82.10167

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Cross Sectional Area (square ft): 1.1  
Temp At Max. Oper (F): 1800.0  
Flow At Max. Oper (acfm): 1200.0  
Temp At Avg. Oper (F): 1500.0  
Flow At Avg. Oper (acfm): 850.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P010

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P010  
Company Description: P010  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 440.0  
Temp At Avg. Oper (F): 440.0  
Flow At Max. Oper (acfm): 4189.0  
Flow At Avg. Oper (acfm): 4189.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P010-A (F-1)

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical Obstructed  
DAPC Description:  
Company ID: P010-A (F-1)  
Company Description: P010-A - F-1 Scrubber Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 100.0  
Release Height (ft): 60.0

### - Building Dimension

Length (ft) 200.0 Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276 Longitude: -82.10111

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 1.77  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 70.0 Flow At Max. Oper (acfm): 2500.0  
Temp At Avg. Oper (F): 70.0 Flow At Avg. Oper (acfm): 2500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P010-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P010-B  
Company Description: P010-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 30.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 500.0  
Flow At Max. Oper (acfm): 200.0  
Temp At Avg. Oper (F): 500.0  
Flow At Avg. Oper (acfm): 200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P010-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P010-C  
Company Description: P010-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 30.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 500.0  
Flow At Max. Oper (acfm): 200.0  
Temp At Avg. Oper (F): 500.0  
Flow At Avg. Oper (acfm): 200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P014-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P014-A  
Company Description: P014-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 34.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Temp At Max. Oper (F): 64.0  
Temp At Avg. Oper (F): 64.0  
Cross Sectional Area (square ft): 0.79  
Flow At Max. Oper (acfm): 1700.0  
Flow At Avg. Oper (acfm): 1700.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P017-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P017-A  
Company Description: P017-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 27.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.83  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.54  
Flow At Max. Oper (acfm): 3120.0  
Flow At Avg. Oper (acfm): 3120.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P017-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P017-B  
Company Description: P017-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 23.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Square  
Diameter (ft): 1.32  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 1.36  
Flow At Max. Oper (acfm): 1090.0  
Flow At Avg. Oper (acfm): 1090.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P018

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P018  
Company Description: P018  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 41.0  
Fenceline Distance (ft): 60.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37211  
Longitude: -82.10181

### - Stack Details

Shape: Round  
Diameter (ft): 1.33  
Cross Sectional Area (square ft): 1.39  
Temp At Max. Oper (F): 220.0  
Flow At Max. Oper (acfm): 4800.0  
Temp At Avg. Oper (F): 220.0  
Flow At Avg. Oper (acfm): 4800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P022-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P022-A  
Company Description: P022-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 32.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft): 70.0  
Width (ft): 30.0  
Height (ft): 25.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Cross Sectional Area (square ft): 1.06  
Temp At Max. Oper (F): 100.0  
Temp At Avg. Oper (F): 100.0  
Flow At Max. Oper (acfm): 4600.0  
Flow At Avg. Oper (acfm): 4600.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P024-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P024-B  
Company Description: P024-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 45.0  
Fenceline Distance (ft): 80.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.370102  
Longitude: -82.10127

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 70.0  
Flow At Max. Oper (acfm): 2800.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm): 2800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P024-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P024-C  
Company Description: P024-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 25.0  
Fenceline Distance (ft): 80.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.370102  
Longitude: -82.10127

### - Stack Details

Shape: Rectangle  
Diameter (ft): 1.07  
Cross Sectional Area (square ft): 0.9  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Flow At Max. Oper (acfm): 3400.0  
Flow At Avg. Oper (acfm): 3400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P024/P086-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P024/P086-A  
Company Description: P024/P086-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 37.3  
Fenceline Distance (ft): 80.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.370102  
Longitude: -82.10127

### - Stack Details

Shape: Round  
Diameter (ft): 2.16  
Cross Sectional Area (square ft): 3.66  
Temp At Max. Oper (F): 80.0  
Temp At Avg. Oper (F): 80.0  
Flow At Max. Oper (acfm): 10000.0  
Flow At Avg. Oper (acfm): 10000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P025-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P025-A  
Company Description: P025-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.79  
Flow At Max. Oper (acfm): 3900.0  
Flow At Avg. Oper (acfm): 3900.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----



## Egress Point : P025-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P025-B  
Company Description: P025-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 60.0

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.79  
Flow At Max. Oper (acfm): 3600.0  
Flow At Avg. Oper (acfm): 3600.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P026-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P026-A  
Company Description: P026-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Rectangle  
Diameter (ft): 1.13  
Temp At Max. Oper (F): 86.0  
Temp At Avg. Oper (F): 86.0  
Cross Sectional Area (square ft): 1  
Flow At Max. Oper (acfm): 1268.0  
Flow At Avg. Oper (acfm): 1268.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P026-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P026-B  
Company Description: P026-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 60.0

### - Egress Latitude and Longitude

Latitude: 41.370102  
Longitude: -82.10127

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Cross Sectional Area (square ft): 1.77  
Temp At Max. Oper (F): 63.0  
Flow At Max. Oper (acfm): 3462.0  
Temp At Avg. Oper (F): 63.0  
Flow At Avg. Oper (acfm): 3462.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P026-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P026-C  
Company Description: P026-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 47.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Rectangle  
Diameter (ft): 0.92  
Temp At Max. Oper (F): 82.0  
Temp At Avg. Oper (F): 82.0  
Cross Sectional Area (square ft): 0.66  
Flow At Max. Oper (acfm): 3300.0  
Flow At Avg. Oper (acfm): 3300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P027

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P027  
Company Description: P027  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 40.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.34527  
Longitude: -82.10111

### - Stack Details

Shape: Rectangle  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 82.0  
Temp At Avg. Oper (F): 82.0  
Flow At Max. Oper (acfm): 779.0  
Flow At Avg. Oper (acfm): 779.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P027-B,C,D

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P027-B,C,D  
Company Description: P027-B,C,D  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 49.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.66  
Temp At Max. Oper (F): 93.0  
Temp At Avg. Oper (F): 93.0  
Cross Sectional Area (square ft): 0.34  
Flow At Max. Oper (acfm): 238.0  
Flow At Avg. Oper (acfm): 238.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P027-E

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P027-E  
Company Description: P027-E  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Square  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 82.0  
Temp At Avg. Oper (F): 82.0  
Flow At Max. Oper (acfm): 1800.0  
Flow At Avg. Oper (acfm): 1800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P028-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P028-A  
Company Description: P028-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 90.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 200.0  
Height (ft): 60.0

### - Egress Latitude and Longitude

Latitude: 41.370193  
Longitude: -82.10116

### - Stack Details

Shape: Square  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 82.0  
Temp At Avg. Oper (F): 82.0  
Flow At Max. Oper (acfm): 779.0  
Flow At Avg. Oper (acfm): 779.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----



## Egress Point : P030

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P030  
Company Description: P030  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 30.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.79  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P031-Blender

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P031-Blender  
Company Description: P031 - Blender #4 stack (Bldg. 10)  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Fenceline Distance (ft): 100.0  
Release Height (ft): 20.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 150.0  
Height (ft): 30.0

### - Egress Latitude and Longitude

Latitude: 41.369915  
Longitude: -82.10142

### - Stack Details

Shape: Round  
Cross Sectional Area (square ft): 3.14  
Diameter (ft): 2  
Temp At Max. Oper (F): 80.0  
Flow At Max. Oper (acfm): 1645.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P031-M-1

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P031-M-1  
Company Description: P031 - Mill M-1  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 20.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 150.0  
Height (ft): 30.0

### - Egress Latitude and Longitude

Latitude: 41.369915  
Longitude: -82.10142

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 80.0  
Flow At Max. Oper (acfm): 800.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P031-M-2

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P031-M-2  
Company Description: P031 - Mill M-2  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 20.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 150.0  
Height (ft): 30.0

### - Egress Latitude and Longitude

Latitude: 41.369915  
Longitude: -82.10142

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 80.0  
Flow At Max. Oper (acfm): 800.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P049

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P049  
Company Description: P049  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 20.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Temp At Max. Oper (F): 7.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.79  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P050A,B,C,D

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P050A,B,C,D  
Company Description: P050A,B,C,D  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 24.0  
Fenceline Distance (ft): 40.0

### - Building Dimension

Length (ft): 50.0  
Width (ft): 60.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude: 41.37138  
Longitude: -82.10293

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Cross Sectional Area (square ft): 1.06  
Temp At Max. Oper (F): 70.0  
Flow At Max. Oper (acfm): 4200.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm): 4200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P051

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P051  
Company Description: P051  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 15.0  
Fenceline Distance (ft): 60.0

### - Building Dimension

Length (ft): 50.0  
Width (ft): 60.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 1.06  
Flow At Max. Oper (acfm): 4200.0  
Flow At Avg. Oper (acfm): 4200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P053-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P053-A  
Company Description: P053-A  
Operating Status: Operating  
Base Elevation (ft):  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft):  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft):  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P053-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P053-B  
Company Description: P053-B  
Operating Status: Operating  
Base Elevation (ft):  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Rectangle  
Diameter (ft):  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft):  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P054-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P054-A  
Company Description: P054-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.75  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.442  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P054-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P054-B  
Company Description: P054-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.75  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.442  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P054-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P054-C  
Company Description: P054-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.0  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.786  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P055-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P055-A  
Company Description: P055-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 15.0  
Fenceline Distance (ft): 50.0

### - Building Dimension

Length (ft): 50.0  
Width (ft): 60.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude: 41.37135  
Longitude: -82.10287

### - Stack Details

Shape: Round  
Diameter (ft): 0.5  
Cross Sectional Area (square ft): 0.196  
Temp At Max. Oper (F): 70.0  
Flow At Max. Oper (acfm): 447.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P055-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P055-B  
Company Description: P055-B  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft):  
Release Height (ft):

### - Building Dimension

Length (ft) Width (ft):  
Height (ft):

### - Egress Latitude and Longitude

Latitude: Longitude:

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 0.442  
Diameter (ft): 0.75  
Temp At Max. Oper (F): 0.0 Flow At Max. Oper (acfm):  
Temp At Avg. Oper (F): 0.0 Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P056-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P056-A  
Company Description: P056-A  
Operating Status: Operating  
Base Elevation (ft):  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Rectangle  
Diameter (ft): 0.75  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft): 0.442  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P058-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P058-A  
Company Description: P058-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 24.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Square  
Diameter (ft): 0.75  
Temp At Max. Oper (F): 68.0  
Temp At Avg. Oper (F): 68.0  
Cross Sectional Area (square ft): 0.44  
Flow At Max. Oper (acfm): 1000.0  
Flow At Avg. Oper (acfm): 1000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P059-A,B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P059-A,B  
Company Description: P059-A,B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 35.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.83  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.54  
Flow At Max. Oper (acfm): 1200.0  
Flow At Avg. Oper (acfm): 1200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P059-C,D,E

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P059-C,D,E  
Company Description: P059-C,D,E  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 35.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.83  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.54  
Flow At Max. Oper (acfm): 1000.0  
Flow At Avg. Oper (acfm): 1000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P059-F

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P059-F  
Company Description: P059-F  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 35.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.83  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.54  
Flow At Max. Oper (acfm): 2500.0  
Flow At Avg. Oper (acfm): 2500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P068-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P068-A  
Company Description: P068-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 9.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.83  
Temp At Max. Oper (F): 82.0  
Temp At Avg. Oper (F): 82.0  
Cross Sectional Area (square ft): 0.54  
Flow At Max. Oper (acfm): 640.0  
Flow At Avg. Oper (acfm): 640.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P068-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P068-B  
Company Description: P068-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 56.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Square  
Diameter (ft): 1.87  
Temp At Max. Oper (F): 265.0  
Temp At Avg. Oper (F): 265.0  
Cross Sectional Area (square ft): 2.76  
Flow At Max. Oper (acfm): 14600.0  
Flow At Avg. Oper (acfm): 14600.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P069-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P069-A  
Company Description: P069-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 25.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 50.0  
Width (ft): 60.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.372135  
Longitude: -82.10171

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Cross Sectional Area (square ft): 1.06  
Temp At Max. Oper (F): 83.0  
Flow At Max. Oper (acfm): 1400.0  
Temp At Avg. Oper (F): 83.0  
Flow At Avg. Oper (acfm): 1400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P070

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P070  
Company Description: P070  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 41.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 120.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37192  
Longitude: -82.10202

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 70.0  
Flow At Max. Oper (acfm): 1500.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm): 1500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P070-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P070-A  
Company Description: P070-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 41.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 120.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37192  
Longitude: -82.10202

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 70.0  
Flow At Max. Oper (acfm): 3000.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm): 3000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P070-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P070-B  
Company Description: P070-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 41.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 120.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37192  
Longitude: -82.10202

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 70.0  
Flow At Max. Oper (acfm): 1500.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm): 1500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P070-DC

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P070-DC  
Company Description: P070 Dust Collector Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 44.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 120.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.3719  
Longitude: -82.10202

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.785  
Temp At Max. Oper (F): 70.0  
Flow At Max. Oper (acfm): 5000.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm): 3600.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P071-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P071-A  
Company Description: P071-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 24.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Temp At Max. Oper (F): 149.0  
Temp At Avg. Oper (F): 149.0  
Cross Sectional Area (square ft): 0.79  
Flow At Max. Oper (acfm): 1522.0  
Flow At Avg. Oper (acfm): 1522.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P072-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P072-A  
Company Description: P072-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 17.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Square  
Diameter (ft): 0.94  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.69  
Flow At Max. Oper (acfm): 2000.0  
Flow At Avg. Oper (acfm): 2000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P077-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P077-A  
Company Description: P077-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 36.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Temp At Max. Oper (F): 100.0  
Temp At Avg. Oper (F): 100.0  
Cross Sectional Area (square ft): 1.06  
Flow At Max. Oper (acfm): 4200.0  
Flow At Avg. Oper (acfm): 4200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P077-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P077-B  
Company Description: P077-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 39.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Rectangle  
Diameter (ft): 1.22  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 1.16  
Flow At Max. Oper (acfm): 4000.0  
Flow At Avg. Oper (acfm): 4000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P077-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P077-C  
Company Description: P077-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 2  
Temp At Max. Oper (F): 86.0  
Temp At Avg. Oper (F): 86.0  
Cross Sectional Area (square ft): 3.14  
Flow At Max. Oper (acfm): 3000.0  
Flow At Avg. Oper (acfm): 3000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P079-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P079-A  
Company Description: P079-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft)  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.66  
Temp At Max. Oper (F): 100.0  
Temp At Avg. Oper (F): 100.0  
Cross Sectional Area (square ft): 0.34  
Flow At Max. Oper (acfm): 17.0  
Flow At Avg. Oper (acfm): 17.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----



## Egress Point : P079-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P079-B  
Company Description: P079-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.5  
Temp At Max. Oper (F): 125.0  
Temp At Avg. Oper (F): 125.0  
Cross Sectional Area (square ft): 0.2  
Flow At Max. Oper (acfm): 461.0  
Flow At Avg. Oper (acfm): 461.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P079-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P079-C  
Company Description: P079-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.66  
Temp At Max. Oper (F): 400.0  
Temp At Avg. Oper (F): 400.0  
Cross Sectional Area (square ft): 0.34  
Flow At Max. Oper (acfm): 21.0  
Flow At Avg. Oper (acfm): 21.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P079-D

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P079-D  
Company Description: P079-D  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.5  
Temp At Max. Oper (F): 125.0  
Temp At Avg. Oper (F): 125.0  
Cross Sectional Area (square ft): 0.2  
Flow At Max. Oper (acfm): 442.0  
Flow At Avg. Oper (acfm): 442.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P080

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P080  
Company Description: P080  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 43.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 250.0  
Width (ft): 75.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.17  
Cross Sectional Area (square ft): 1.08  
Temp At Max. Oper (F): 900.0  
Flow At Max. Oper (acfm): 1400.0  
Temp At Avg. Oper (F): 900.0  
Flow At Avg. Oper (acfm): 1400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P080-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P080-A  
Company Description: P080-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 25.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 250.0  
Width (ft): 75.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 0.75  
Cross Sectional Area (square ft): 0.44  
Temp At Max. Oper (F): 90.0  
Temp At Avg. Oper (F): 90.0  
Flow At Max. Oper (acfm): 1400.0  
Flow At Avg. Oper (acfm): 1400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P080-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P080-B  
Company Description: P080-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 22.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 250.0  
Width (ft): 75.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Rectangle  
Diameter (ft): 1.29  
Cross Sectional Area (square ft): 1.3  
Temp At Max. Oper (F): 75.0  
Flow At Max. Oper (acfm): 2485.0  
Temp At Avg. Oper (F): 75.0  
Flow At Avg. Oper (acfm): 2485.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P081-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P081-A  
Company Description: P081-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 58.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude: 41.370102  
Longitude: -82.10127

### - Stack Details

Shape: Round  
Diameter (ft): 0.33  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.09  
Flow At Max. Oper (acfm): 6.0  
Flow At Avg. Oper (acfm): 6.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P082-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P082-A  
Company Description: P082-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 25.0  
Fenceline Distance (ft): 25.0

### - Building Dimension

Length (ft): 50.0  
Width (ft): 60.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.369865  
Longitude: -82.1001

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 800.0  
Flow At Max. Oper (acfm): 300.0  
Temp At Avg. Oper (F): 800.0  
Flow At Avg. Oper (acfm): 300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P082-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P082-B  
Company Description: P082-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 28.0  
Fenceline Distance (ft): 25.0

### - Building Dimension

Length (ft): 50.0  
Width (ft): 60.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.369865  
Longitude: -82.1001

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 800.0  
Flow At Max. Oper (acfm): 300.0  
Temp At Avg. Oper (F): 800.0  
Flow At Avg. Oper (acfm): 300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P082-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P082-C  
Company Description: P082-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 28.0  
Fenceline Distance (ft): 25.0

### - Building Dimension

Length (ft): 50.0  
Width (ft): 40.0  
Height (ft): 60.0

### - Egress Latitude and Longitude

Latitude: 41.369865  
Longitude: -82.1001

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 800.0  
Flow At Max. Oper (acfm): 300.0  
Temp At Avg. Oper (F): 800.0  
Flow At Avg. Oper (acfm): 300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P082-D

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P082-D  
Company Description: P082-D  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 17.0  
Fenceline Distance (ft): 25.0

### - Building Dimension

Length (ft): 50.0  
Width (ft): 60.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.369865  
Longitude: -82.1001

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 800.0  
Flow At Max. Oper (acfm): 300.0  
Temp At Avg. Oper (F): 800.0  
Flow At Avg. Oper (acfm): 300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P082-I

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P082-I  
Company Description: P082-I  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 17.0  
Fenceline Distance (ft): 25.0

### - Building Dimension

Length (ft): 50.0  
Width (ft): 60.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.369865  
Longitude: -82.1001

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 150.0  
Flow At Max. Oper (acfm): 2000.0  
Temp At Avg. Oper (F): 150.0  
Flow At Avg. Oper (acfm): 2000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P083-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P083-A  
Company Description: P083-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 32.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 800.0  
Temp At Avg. Oper (F): 800.0  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 800.0  
Flow At Avg. Oper (acfm): 800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P083-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P083-B  
Company Description: P083-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 31.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Rectangle  
Diameter (ft): 1.59  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 1.99  
Flow At Max. Oper (acfm): 2000.0  
Flow At Avg. Oper (acfm): 2000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P083-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P083-C  
Company Description: P083-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 8.5  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft)  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Rectangle  
Diameter (ft): 1.11  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.97  
Flow At Max. Oper (acfm): 2300.0  
Flow At Avg. Oper (acfm): 2300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P084-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P084-A  
Company Description: P084-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 60.0  
Fenceline Distance (ft): 40.0

### - Building Dimension

Length (ft): 45.0  
Width (ft): 50.0  
Height (ft): 60.0

### - Egress Latitude and Longitude

Latitude: 41.369556  
Longitude: -82.102036

### - Stack Details

Shape: Round  
Diameter (ft): 0.5  
Cross Sectional Area (square ft): 0.2  
Temp At Max. Oper (F): 70.0  
Flow At Max. Oper (acfm): 800.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm): 800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P084-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P084-B  
Company Description: P084-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 33.0  
Fenceline Distance (ft): 40.0

### - Building Dimension

Length (ft): 45.0  
Width (ft): 60.0  
Height (ft): 50.0

### - Egress Latitude and Longitude

Latitude: 41.369556  
Longitude: -82.102036

### - Stack Details

Shape: Round  
Diameter (ft): 0.16  
Cross Sectional Area (square ft): 0.02  
Temp At Max. Oper (F): 147.0  
Temp At Avg. Oper (F): 147.0  
Flow At Max. Oper (acfm): 66.0  
Flow At Avg. Oper (acfm): 66.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P084-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P084-C  
Company Description: P084-C - Ammonia Stripper Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Fenceline Distance (ft): 100.0  
Release Height (ft): 50.0

### - Building Dimension

Length (ft): 75.0  
Width (ft): 60.0  
Height (ft): 50.0

### - Egress Latitude and Longitude

Latitude: 41.369904  
Longitude: -82.101974

### - Stack Details

Shape: Round  
Cross Sectional Area (square ft): 1.5  
Diameter (ft): 1  
Temp At Max. Oper (F): 120.0  
Flow At Max. Oper (acfm): 500.0  
Temp At Avg. Oper (F): 100.0  
Flow At Avg. Oper (acfm): 300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P085-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P085-A  
Company Description: P085-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 48.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.83  
Temp At Max. Oper (F): 360.0  
Temp At Avg. Oper (F): 360.0  
Cross Sectional Area (square ft): 0.54  
Flow At Max. Oper (acfm): 200.0  
Flow At Avg. Oper (acfm): 200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P086-1

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P086-1  
Company Description: P086-1 Viron Scrubber Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 50.0  
Release Height (ft): 40.0

### - Building Dimension

Length (ft) 200.0 Width (ft): 75.0  
Height (ft): 50.0

### - Egress Latitude and Longitude

Latitude: 41.37024 Longitude: -82.10106

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 0.786  
Diameter (ft): 1.0  
Temp At Max. Oper (F): 400.0 Flow At Max. Oper (acfm): 779.0  
Temp At Avg. Oper (F): 250.0 Flow At Avg. Oper (acfm): 779.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P086-2

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P086-2  
Company Description: P086-2 Viron Scrubber Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 50.0  
Release Height (ft): 40.0

### - Building Dimension

Length (ft) 200.0 Width (ft): 75.0  
Height (ft): 50.0

### - Egress Latitude and Longitude

Latitude: 41.37024 Longitude: -82.10106

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 0.786  
Diameter (ft): 1.0  
Temp At Max. Oper (F): 400.0 Flow At Max. Oper (acfm): 779.0  
Temp At Avg. Oper (F): 250.0 Flow At Avg. Oper (acfm): 779.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P087

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P087  
Company Description: P087 - Nauta Blender  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 50.0

### - Building Dimension

Length (ft): 75.0  
Width (ft): 75.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.369915  
Longitude: -82.10142

### - Stack Details

Shape: Round  
Diameter (ft): 2  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F):  
Cross Sectional Area (square ft): 3.14  
Flow At Max. Oper (acfm): 1500.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P088-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P088-A  
Company Description: P088-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 45.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 2.83  
Temp At Max. Oper (F): 800.0  
Temp At Avg. Oper (F): 800.0  
Cross Sectional Area (square ft): 6.29  
Flow At Max. Oper (acfm): 11460.0  
Flow At Avg. Oper (acfm): 11460.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P089-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P089-A  
Company Description: P089-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 32.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 800.0  
Temp At Avg. Oper (F): 800.0  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 800.0  
Flow At Avg. Oper (acfm): 800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P089-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P089-B  
Company Description: P089-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 32.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 2300.0  
Flow At Avg. Oper (acfm): 2300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P089-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P089-C  
Company Description: P089-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 32.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 2300.0  
Flow At Avg. Oper (acfm): 2300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P090-A,B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P090-A,B  
Company Description: P090-A,B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 30.0  
Fenceline Distance (ft): 10.0

### - Building Dimension

Length (ft): 25.0  
Width (ft): 25.0  
Height (ft): 15.0

### - Egress Latitude and Longitude

Latitude: 41.3699  
Longitude: -82.100716

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 500.0  
Flow At Max. Oper (acfm):  
Temp At Avg. Oper (F): 500.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P090-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P090-C  
Company Description: P090-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 15.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.5  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.2  
Flow At Max. Oper (acfm): 270.0  
Flow At Avg. Oper (acfm): 270.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P091ABCDE

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P091ABCDE  
Company Description: P091ABCDE  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 25.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft): 150.0  
Width (ft): 100.0  
Height (ft): 20.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 500.0  
Flow At Max. Oper (acfm): 200.0  
Temp At Avg. Oper (F): 500.0  
Flow At Avg. Oper (acfm): 200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P092

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P092  
Company Description: P092  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 38.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude: 41.36974  
Longitude: -82.10126

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 100.0  
Temp At Avg. Oper (F): 100.0  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 6000.0  
Flow At Avg. Oper (acfm): 6000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P093-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P093-A  
Company Description: P093-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 70.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.33  
Temp At Max. Oper (F): 500.0  
Temp At Avg. Oper (F): 500.0  
Cross Sectional Area (square ft): 0.09  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P094-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P094-A  
Company Description: P094-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 30.0  
Fenceline Distance (ft): 110.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37172  
Longitude: -82.10198

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Cross Sectional Area (square ft): 1.06  
Temp At Max. Oper (F): 245.0  
Temp At Avg. Oper (F): 245.0  
Flow At Max. Oper (acfm): 3500.0  
Flow At Avg. Oper (acfm): 3500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P094-NG

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P094-NG  
Company Description: P094-NG NG Combustion emissions from Air Heater  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 110.0  
Release Height (ft): 45.0

### - Building Dimension

Length (ft) 100.0 Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37179 Longitude: -82.101845

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 0.785  
Diameter (ft): 1  
Temp At Max. Oper (F): 400.0 Flow At Max. Oper (acfm): 2000.0  
Temp At Avg. Oper (F): 350.0 Flow At Avg. Oper (acfm): 1500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P095-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P095-A  
Company Description: P095-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 35.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 60.0  
Width (ft): 50.0  
Height (ft): 30.0

### - Egress Latitude and Longitude

Latitude: 41.37139  
Longitude: -82.10248

### - Stack Details

Shape: Round  
Diameter (ft): 0.75  
Cross Sectional Area (square ft): 0.442  
Temp At Max. Oper (F): 600.0  
Flow At Max. Oper (acfm): 1300.0  
Temp At Avg. Oper (F): 450.0  
Flow At Avg. Oper (acfm): 1300.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P095-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P095-B  
Company Description: P095-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 35.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 60.0  
Width (ft): 50.0  
Height (ft): 30.0

### - Egress Latitude and Longitude

Latitude: 41.37139  
Longitude: -82.10248

### - Stack Details

Shape: Round  
Diameter (ft): 0.75  
Temp At Max. Oper (F): 600.0  
Temp At Avg. Oper (F): 450.0  
Cross Sectional Area (square ft): 0.442  
Flow At Max. Oper (acfm): 1450.0  
Flow At Avg. Oper (acfm): 1450.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P095-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P095-C  
Company Description: P095-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 35.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 60.0  
Width (ft): 50.0  
Height (ft): 30.0

### - Egress Latitude and Longitude

Latitude: 41.37139  
Longitude: -82.10248

### - Stack Details

Shape: Round  
Diameter (ft): 0.75  
Temp At Max. Oper (F): 600.0  
Temp At Avg. Oper (F): 450.0  
Cross Sectional Area (square ft): 0.442  
Flow At Max. Oper (acfm): 950.0  
Flow At Avg. Oper (acfm): 950.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P095-F

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P095-F  
Company Description: P095-F  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 35.0  
Fenceline Distance (ft): 75.0

### - Building Dimension

Length (ft): 60.0  
Width (ft): 50.0  
Height (ft): 30.0

### - Egress Latitude and Longitude

Latitude: 41.37139  
Longitude: -82.10248

### - Stack Details

Shape: Round  
Diameter (ft): 0.75  
Cross Sectional Area (square ft): 0.442  
Temp At Max. Oper (F): 600.0  
Flow At Max. Oper (acfm): 110.0  
Temp At Avg. Oper (F): 450.0  
Flow At Avg. Oper (acfm): 110.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P096-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P096-A  
Company Description: P096-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 150.0  
Width (ft): 80.0  
Height (ft): 50.0

### - Egress Latitude and Longitude

Latitude: 41.369915  
Longitude: -82.10142

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 80.0  
Flow At Max. Oper (acfm): 2750.0  
Temp At Avg. Oper (F): 60.0  
Flow At Avg. Oper (acfm): 800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P096-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P096-B  
Company Description: P096-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 150.0  
Width (ft): 80.0  
Height (ft): 50.0

### - Egress Latitude and Longitude

Latitude: 41.369915  
Longitude: -82.10142

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 80.0  
Flow At Max. Oper (acfm): 2750.0  
Temp At Avg. Oper (F): 60.0  
Flow At Avg. Oper (acfm): 800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P097-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P097-A  
Company Description: P097-A  
Operating Status: Operating  
Base Elevation (ft):  
Release Height (ft): 20.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft): 0.79  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----



## Egress Point : P097-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P097-B  
Company Description: P097-B  
Operating Status: Operating  
Base Elevation (ft):  
Release Height (ft): 20.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Rectangle  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P097-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P097-C  
Company Description: P097-C  
Operating Status: Operating  
Base Elevation (ft):  
Release Height (ft): 15.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.75  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft): 0.44  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P098-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P098-A  
Company Description: P098-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 22.0  
Fenceline Distance (ft): 30.0

### - Building Dimension

Length (ft): 20.0  
Width (ft): 20.0  
Height (ft): 10.0

### - Egress Latitude and Longitude

Latitude: 41.371468  
Longitude: -82.10294

### - Stack Details

Shape: Round  
Diameter (ft): 1.0  
Cross Sectional Area (square ft): 0.79  
Temp At Max. Oper (F): 80.0  
Temp At Avg. Oper (F): 60.0  
Flow At Max. Oper (acfm): 4200.0  
Flow At Avg. Oper (acfm): 4200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P099-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P099-A  
Company Description: P099-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 120.0

### - Building Dimension

Length (ft): 40.0  
Width (ft): 40.0  
Height (ft): 25.0

### - Egress Latitude and Longitude

Latitude: 41.37018  
Longitude: -82.10213

### - Stack Details

Shape: Round  
Diameter (ft): 0.66  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.34  
Flow At Max. Oper (acfm): 2000.0  
Flow At Avg. Oper (acfm): 2000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P099-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P099-B  
Company Description: P099-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 120.0

### - Building Dimension

Length (ft): 40.0  
Width (ft): 40.0  
Height (ft): 25.0

### - Egress Latitude and Longitude

Latitude: 41.370148  
Longitude: -82.1019

### - Stack Details

Shape: Round  
Diameter (ft): 0.83  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.54  
Flow At Max. Oper (acfm): 1000.0  
Flow At Avg. Oper (acfm): 1000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P100

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P100  
Company Description: P100-Pangborn  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 90.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 150.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.371864  
Longitude: -82.10153

### - Stack Details

Shape: Round  
Diameter (ft): 1.0  
Cross Sectional Area (square ft): 0.78  
Temp At Max. Oper (F): 600.0  
Flow At Max. Oper (acfm): 3810.0  
Temp At Avg. Oper (F): 400.0  
Flow At Avg. Oper (acfm): 3810.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P100-Comb-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P100-Comb-A  
Company Description: P100-#2 Tunnel Kiln Combustion Products Stack A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 31.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 270.0  
Temp At Avg. Oper (F):  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 1450.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P100-Comb-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P100-Comb-B  
Company Description: P100-#2 Tunnel Kiln Combustion Products Stack B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 31.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 270.0  
Temp At Avg. Oper (F):  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 1450.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----



## Egress Point : P100-Exit

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P100-Exit  
Company Description: P100-#2 Tunnel Kiln Exit Hood Blower Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 36.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 138.0  
Temp At Avg. Oper (F):  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 2545.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P101

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P101  
Company Description: P101  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 20.0  
Fenceline Distance (ft): 90.0

### - Building Dimension

Length (ft): 100.0  
Width (ft): 150.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.372032  
Longitude: -82.10156

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 3810.0  
Flow At Avg. Oper (acfm): 3810.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P101-Combust

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P101-Combust  
Company Description: P101-#32 Tunnel Kiln Combustion Products Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft):  
Release Height (ft): 31.0

### - Building Dimension

Length (ft) Width (ft):  
Height (ft):

### - Egress Latitude and Longitude

Latitude: Longitude:

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 1.77  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 270.0 Flow At Max. Oper (acfm): 1450.0  
Temp At Avg. Oper (F): Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P101-Entry

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P101-Entry  
Company Description: P101-#3 Tunnel Kiln Entrance Hood Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 22.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 363.0  
Temp At Avg. Oper (F):  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 1635.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P101-Exit

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P101-Exit  
Company Description: P101-#3 Tunnel Kiln Exit Hood Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 20.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 71.0  
Temp At Avg. Oper (F):  
Cross Sectional Area (square ft): 1.77  
Flow At Max. Oper (acfm): 90.0  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P102

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P102  
Company Description: P102  
Operating Status: Operating  
Base Elevation (ft): 715.0  
Release Height (ft): 40.0  
Fenceline Distance (ft): 40.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.370834  
Longitude: -82.10167

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Cross Sectional Area (square ft): 1.058  
Temp At Max. Oper (F): 1800.0  
Temp At Avg. Oper (F): 1500.0  
Flow At Max. Oper (acfm): 1200.0  
Flow At Avg. Oper (acfm): 800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P102-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P102-A  
Company Description: P102-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 35.0  
Fenceline Distance (ft): 40.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.1  
Cross Sectional Area (square ft): 0.95  
Temp At Max. Oper (F): 75.0  
Flow At Max. Oper (acfm): 2000.0  
Temp At Avg. Oper (F): 75.0  
Flow At Avg. Oper (acfm): 2000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P102-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P102-B  
Company Description: P102-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 30.0  
Fenceline Distance (ft): 40.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 500.0  
Flow At Max. Oper (acfm): 200.0  
Temp At Avg. Oper (F): 500.0  
Flow At Avg. Oper (acfm): 200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P102-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P102-C  
Company Description: P102-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 30.0  
Fenceline Distance (ft): 40.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 500.0  
Flow At Max. Oper (acfm): 200.0  
Temp At Avg. Oper (F): 500.0  
Flow At Avg. Oper (acfm): 200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P103

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P103  
Company Description: P103  
Operating Status: Operating  
Base Elevation (ft): 715.0  
Release Height (ft): 45.0  
Fenceline Distance (ft): 120.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.370834  
Longitude: -82.10167

### - Stack Details

Shape: Round  
Diameter (ft): 1.16  
Cross Sectional Area (square ft): 1.058  
Temp At Max. Oper (F): 1800.0  
Flow At Max. Oper (acfm): 1200.0  
Temp At Avg. Oper (F): 1500.0  
Flow At Avg. Oper (acfm): 800.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P103-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P103-A  
Company Description: P103-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 35.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.1  
Cross Sectional Area (square ft): 0.95  
Temp At Max. Oper (F): 75.0  
Flow At Max. Oper (acfm): 2000.0  
Temp At Avg. Oper (F): 75.0  
Flow At Avg. Oper (acfm): 2000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P103-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P103-B  
Company Description: P103-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 30.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 500.0  
Flow At Max. Oper (acfm): 200.0  
Temp At Avg. Oper (F): 500.0  
Flow At Avg. Oper (acfm): 200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P103-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P103-C  
Company Description: P103-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 30.0  
Fenceline Distance (ft): 100.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 80.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 500.0  
Flow At Max. Oper (acfm): 200.0  
Temp At Avg. Oper (F): 500.0  
Flow At Avg. Oper (acfm): 200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P104-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: P104-A  
Company Description: P104-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 50.0  
Fenceline Distance (ft): 50.0

### - Building Dimension

Length (ft): 40.0  
Width (ft): 40.0  
Height (ft): 80.0

### - Egress Latitude and Longitude

Latitude: 41.369446  
Longitude: -82.10135

### - Stack Details

Shape: Square  
Diameter (ft): 1.5  
Cross Sectional Area (square ft): 4  
Temp At Max. Oper (F): 70.0  
Flow At Max. Oper (acfm): 4000.0  
Temp At Avg. Oper (F): 70.0  
Flow At Avg. Oper (acfm): 4000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : P106-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P106-A  
Company Description: P106-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 22.0  
Fenceline Distance (ft): 40.0

### - Building Dimension

Length (ft): 120.0  
Width (ft): 60.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.370365  
Longitude: -82.10114

### - Stack Details

Shape: Round  
Diameter (ft): 2  
Cross Sectional Area (square ft): 3.14  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Flow At Max. Oper (acfm): 10000.0  
Flow At Avg. Oper (acfm): 10000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P106-NG

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P106-NG  
Company Description: P106-NG National Dryer NG Combustion Exhaust Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 100.0  
Release Height (ft): 75.0

### - Building Dimension

Length (ft) 150.0 Width (ft): 100.0  
Height (ft): 60.0

### - Egress Latitude and Longitude

Latitude: 41.370342 Longitude: -82.10132

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 1.77  
Diameter (ft): 1.5  
Temp At Max. Oper (F): 600.0 Flow At Max. Oper (acfm): 750.0  
Temp At Avg. Oper (F): 500.0 Flow At Avg. Oper (acfm): 600.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----



## Egress Point : P127-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P127-A  
Company Description: Tablet Machines 1-6, Toric DC 584-22, Model DF02-8, installed 2010  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 70.0  
Release Height (ft): 25.0

### - Building Dimension

Length (ft): 80.0 Width (ft): 75.0  
Height (ft): 25.0

### - Egress Latitude and Longitude

Latitude: 41.37069 Longitude: -82.10267

### - Stack Details

Shape: Other Cross Sectional Area (square ft): 0.78  
Diameter (ft): 1  
Temp At Max. Oper (F): 80.0 Flow At Max. Oper (acfm): 2400.0  
Temp At Avg. Oper (F): 60.0 Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P127-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P127-B  
Company Description: Tablet Machines 7-12, Torit DC 584-23, Model DFO2-8, installed 2010  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 70.0  
Release Height (ft): 25.0

### - Building Dimension

Length (ft): 80.0 Width (ft): 75.0  
Height (ft): 25.0

### - Egress Latitude and Longitude

Latitude: 41.37069 Longitude: -82.10267

### - Stack Details

Shape: Other Cross Sectional Area (square ft): 0.78  
Diameter (ft): 1  
Temp At Max. Oper (F): 80.0 Flow At Max. Oper (acfm): 2400.0  
Temp At Avg. Oper (F): 60.0 Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P127-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P127-C  
Company Description: Tablet Machines 13-18, Torit DC 13-18, Model DFO2-8, installed 2010  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 25.0  
Release Height (ft): 70.0

### - Building Dimension

Length (ft): 80.0 Width (ft): 75.0  
Height (ft): 25.0

### - Egress Latitude and Longitude

Latitude: 41.37069 Longitude: -82.10267

### - Stack Details

Shape: Other Cross Sectional Area (square ft): 0.78  
Diameter (ft): 1  
Temp At Max. Oper (F): 80.0 Flow At Max. Oper (acfm): 2400.0  
Temp At Avg. Oper (F): 60.0 Flow At Avg. Oper (acfm): 2400.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : P90-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: P90-C  
Company Description: P90-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 15.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.5  
Temp At Max. Oper (F): 70.0  
Temp At Avg. Oper (F): 70.0  
Cross Sectional Area (square ft): 0.2  
Flow At Max. Oper (acfm): 270.0  
Flow At Avg. Oper (acfm): 270.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : Powd. Trans.

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Powd. Trans.  
Company Description: Copper Tablet Precursor Process - Pneumatic Powder Transfer Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 65.0  
Release Height (ft): 40.0

### - Building Dimension

Length (ft) 80.0 Width (ft): 75.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.370483 Longitude: -82.10177

### - Stack Details

Shape: Other Cross Sectional Area (square ft): 0.78  
Diameter (ft): 1  
Temp At Max. Oper (F): 200.0 Flow At Max. Oper (acfm): 4000.0  
Temp At Avg. Oper (F): 150.0 Flow At Avg. Oper (acfm): 4000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : SCR Stack

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: SCR Stack  
Company Description: CTO/SCR Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 80.0  
Release Height (ft): 40.0

### - Building Dimension

Length (ft) 200.0 Width (ft): 75.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.37043 Longitude: -82.101425

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 1.39  
Diameter (ft): 1.25  
Temp At Max. Oper (F): 800.0 Flow At Max. Oper (acfm): 4200.0  
Temp At Avg. Oper (F): 700.0 Flow At Avg. Oper (acfm): 2600.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : Sly Scrubber

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Sly Scrubber  
Company Description: Sly Scrubber Stack  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 15.0  
Fenceline Distance (ft): 45.0

### - Building Dimension

Length (ft): 200.0  
Width (ft): 65.0  
Height (ft): 10.0

### - Egress Latitude and Longitude

Latitude: 41.36974  
Longitude: -82.10126

### - Stack Details

Shape: Other  
Diameter (ft): 2  
Cross Sectional Area (square ft): 3.14  
Temp At Max. Oper (F): 600.0  
Temp At Avg. Oper (F): 450.0  
Flow At Max. Oper (acfm): 7500.0  
Flow At Avg. Oper (acfm): 7500.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : SpinFlashDry

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: SpinFlashDry  
Company Description: Building 27 Spin Flash Dryer Exhaust  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft): 45.0  
Release Height (ft): 30.0

### - Building Dimension

Length (ft) 200.0 Width (ft): 65.0  
Height (ft): 30.0

### - Egress Latitude and Longitude

Latitude: 41.369823 Longitude: -82.10097

### - Stack Details

Shape: Round Cross Sectional Area (square ft): 0.78  
Diameter (ft): 1  
Temp At Max. Oper (F): 600.0 Flow At Max. Oper (acfm): 5000.0  
Temp At Avg. Oper (F): 450.0 Flow At Avg. Oper (acfm): 5000.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : Z096-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Z096-A  
Company Description: Z096-A  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft):  
Release Height (ft):

### - Building Dimension

Length (ft) Width (ft):  
Height (ft):

### - Egress Latitude and Longitude

Latitude: Longitude:

### - Stack Details

Shape: Round Cross Sectional Area (square ft):  
Diameter (ft):  
Temp At Max. Oper (F): 0.0 Flow At Max. Oper (acfm):  
Temp At Avg. Oper (F): 0.0 Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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Egress Point : Z096-B

Nov 17 2016, 10:20:51

- Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Z096-B  
Company Description: Z096-B  
Operating Status: Operating  
Base Elevation (ft): 710.0 Fenceline Distance (ft):  
Release Height (ft):

- Building Dimension

Length (ft) Width (ft):  
Height (ft):

- Egress Latitude and Longitude

Latitude: Longitude:

- Stack Details

Shape: Round Cross Sectional Area (square ft):  
Diameter (ft):  
Temp At Max. Oper (F): 0.0 Flow At Max. Oper (acfm):  
Temp At Avg. Oper (F): 0.0 Flow At Avg. Oper (acfm):

- EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

- CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : Z097-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Z097-A  
Company Description: Z097-A  
Operating Status: Operating  
Base Elevation (ft):  
Release Height (ft): 20.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft): 0.79  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : Z097-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Z097-B  
Company Description: Z097-B  
Operating Status: Operating  
Base Elevation (ft):  
Release Height (ft): 20.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Rectangle  
Diameter (ft): 1.13  
Cross Sectional Area (square ft): 1  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : Z097-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Horizontal  
DAPC Description:  
Company ID: Z097-C  
Company Description: Z097-C  
Operating Status: Operating  
Base Elevation (ft):  
Release Height (ft): 15.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 0.75  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft): 0.44  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
-------------	-----	-----	-----	----	-----	-----	-----	---	-----	-----	------	---------	----

## Egress Point : Z098-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Z098-A  
Company Description: Z098-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 22.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.0  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft): 0.79  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : Z100-A

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Z100-A  
Company Description: Z100-A  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.0  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft): 0.786  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : Z100-B

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Z100-B  
Company Description: Z100-B  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.0  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft): 0.786  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : Z100-C

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Z100-C  
Company Description: Z100-C  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.0  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft): 0.786  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : Z100-F

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Z100-F  
Company Description: Z100-F  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft):  
Fenceline Distance (ft):

### - Building Dimension

Length (ft)  
Height (ft):  
Width (ft):

### - Egress Latitude and Longitude

Latitude:  
Longitude:

### - Stack Details

Shape: Round  
Diameter (ft): 1.0  
Temp At Max. Oper (F): 0.0  
Temp At Avg. Oper (F): 0.0  
Cross Sectional Area (square ft): 0.786  
Flow At Max. Oper (acfm):  
Flow At Avg. Oper (acfm):

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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## Egress Point : Z201

Nov 17 2016, 10:20:51

### - Egress Point Information

Release Type: Stack-Vertical  
DAPC Description:  
Company ID: Z201  
Company Description: Z201  
Operating Status: Operating  
Base Elevation (ft): 710.0  
Release Height (ft): 60.0  
Fenceline Distance (ft):

### - Building Dimension

Length (ft): 60.0  
Width (ft): 40.0  
Height (ft): 40.0

### - Egress Latitude and Longitude

Latitude: 41.345276  
Longitude: -82.10111

### - Stack Details

Shape: Round  
Diameter (ft): 2.83  
Temp At Max. Oper (F): 350.0  
Temp At Avg. Oper (F): 350.0  
Cross Sectional Area (square ft): 6.29  
Flow At Max. Oper (acfm): 200.0  
Flow At Avg. Oper (acfm): 200.0

### - EIS Information

Horizontal Collection Method: Global Positioning Method, with unspecified parameters  
Horizontal Accuracy Measure: 100 Meter Accuracy  
Reference Point: Point where a substance is released  
Horizontal Reference Datum: World Geodetic System of 1984  
Coordinate Data Source Code: An Organization or individual that contracts to perform work

### - CEM Data

Description	H2S	SO2	NOX	CO	THC	HCL	HFL	O	TRS	CO2	FLOW	OPACITY	PM
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